Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66217	Strand	
Start	23224	End	27488
Name	OJ991008_13.0103.C7.o4.tm	Method	TBLASTX:Maize
Start	24376	End	24682
GI	none	Score	53
Exons	24376..24414, 24377..24415, 24416..24682, 24475..24681		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66217	Strand	
Start	23224	End	27488
Name	OJ991008_13.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	24689	End	25383
GI	none	Score	70
Exons	24689..24784, 24703..24783, 25093..25383, 25317..25376		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66217	Strand	
Start	23224	End	27488
Name	OJ991008_13.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	25083	End	25425
GI	none	Score	90
Exons	25083..25190, 25089..25424, 25093..25425		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66217	Strand	
Start	23224	End	27488
Name	OJ991008_13.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	25519	End	26134
GI	none	Score	87
Exons	25519..25587, 25819..25941, 25823..25930, 25824..25940, 26045..26134, 26051..26125		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66217	Strand	
Start	23224	End	27488
Name	OJ991008_13.0103.C7.o5.tm	Method	TBLASTX:Maize
Start	25519	End	26309
GI	none	Score	99
Exons	25519..25590, 25519..25590, 25822..25941, 25822..25944, 26042..26170, 26044..26166, 26259..26309		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66217	Strand	
Start	23224	End	27488
Name	OJ991008_13.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	26847	End	27471
GI	none	Score	178
Exons	26847..26969, 26848..26970, 27045..27140, 27046..27141, 27145..27339, 27154..27471, 27156..27467, 27428..27469		

Seq. No.	32010	Seq. ID	OJ991008_12.0103.C1
Gene No.	66218	Strand	+
Start	77	End	1716
Name	OJ991008_12.0103.C1.o1.np	Method	AAT/NAP
Start	77	End	1716
GI	5922620	Score	151

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Exons	77..303, 409..600, 1662..1716		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	32010	Seq. ID	OJ991008_12.0103.C1
Gene No.	66218	Strand	+
Start	77	End	1716
Name	OJ991008_12.0103.C1.o1.gs	Method	GENSCAN
Start	369	End	526
GI	none	Score	.71
Exons	369..526		
Seq. No.	32011	Seq. ID	OJ991008_12.0103.C2
Gene No.	66219	Strand	+
Start	228	End	302
Name	OJ991008_12.0103.C2.o1.gs	Method	GENSCAN
Start	228	End	302
GI	none	Score	.59
Exons	228..302		
Seq. No.	32012	Seq. ID	OJ991008_12.0103.C3
Gene No.	66220	Strand	+
Start	17	End	168
Name	OJ991008_12.0103.C3.o1.gs	Method	GENSCAN
Start	17	End	168
GI	none	Score	.81
Exons	17..63, 120..168		
Seq. No.	32013	Seq. ID	OJ991008_12.0103.C5
Gene No.	66221	Strand	+
Start	123	End	257
Name	OJ991008_12.0103.C5.o1.gs	Method	GENSCAN
Start	123	End	257
GI	none	Score	.86
Exons	123..257		
Seq. No.	32014	Seq. ID	OJ991008_12.0103.C6
Gene No.	66222	Strand	-
Start	229	End	3877
Name	OJ991008_12.0103.C6.o1.gs	Method	GENSCAN
Start	229	End	3877
GI	none	Score	.53
Exons	229..405, 674..746, 826..936, 1025..1198, 1299..1778, 1899..2094, 2220..2382, 2453..2638, 2681..3877		
Seq. No.	32014	Seq. ID	OJ991008_12.0103.C6
Gene No.	66222	Strand	-
Start	229	End	3877
Name	OJ991008_12.0103.C6.o1.np	Method	AAT/NAP
Start	244	End	3853
GI	4680204	Score	905
Exons	244..458, 806..943, 973..1156, 1304..2361, 2453..3853		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32014	Seq. ID	OJ991008_12.0103.C6
Gene No.	66222	Strand	-
Start	229	End	3877
Name	OJ991008_12.0103.C6.o3.np	Method	AAT/NAP
Start	928	End	3853
GI	4680204	Score	824
Exons	928..1156, 1304..2361, 2453..3853		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32014	Seq. ID	OJ991008_12.0103.C6
Gene No.	66223	Strand	-
Start	6525	End	8147
Name	OJ991008_12.0103.C6.o2.tw	Method	TBLASTX:Wheat
Start	2843	End	3244
GI	none	Score	81
Exons	2843..3013, 2844..2918, 3003..3143, 3008..3244, 3050..3184		

Seq. No.	32014	Seq. ID	OJ991008_12.0103.C6
Gene No.	66223	Strand	-
Start	6525	End	8147
Name	OJ991008_12.0103.C6.o3.gs	Method	GENSCAN
Start	6525	End	8147
GI	none	Score	.76
Exons	6525..7178, 7437..7568, 7941..8147		

Seq. No.	32014	Seq. ID	OJ991008_12.0103.C6
Gene No.	66223	Strand	-
Start	6525	End	8147
Name	OJ991008_12.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	6544	End	7922
GI	none	Score	42
Exons	6544..6582, 6600..6692, 6617..6688, 6681..6761, 6708..6761, 6768..6884, 6786..6914, 6790..6915, 6862..6957, 6894..6953, 6959..7024, 6960..7004, 6999..7916, 7015..7917, 7428..7922, 7736..7918		

Seq. No.	32014	Seq. ID	OJ991008_12.0103.C6
Gene No.	66223	Strand	-
Start	6525	End	8147
Name	OJ991008_12.0103.C6.o4.np	Method	AAT/NAP
Start	7084	End	8050
GI	6742729	Score	1423
Exons	7084..8050		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	32014	Seq. ID	OJ991008_12.0103.C6
Gene No.	66223	Strand	-
Start	6525	End	8147
Name	OJ991008_12.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	7185	End	7629
GI	none	Score	93
Exons	7185..7331, 7185..7625, 7186..7629		

Seq. No.	32014	Seq. ID	OJ991008_12.0103.C6
Gene No.	66223	Strand	-
Start	6525	End	8147
Name	OJ991008_12.0103.C6.o1.tm	Method	TBLASTX:Maize

Start	7527	End	8003
GI	none	Score	75
Exons	7527..8003, 7549..7740		

Seq. No.	32015	Seq. ID	OJ991008_12.0103.C7
Gene No.	66224	Strand	-
Start	1	End	2261
Name	OJ991008_12.0103.C7.o1.gp	Method	AAT/GAP
Start	1	End	1440
GI	342_1.R1084	Score	2129
Exons	1..1440		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	32015	Seq. ID	OJ991008_12.0103.C7
Gene No.	66224	Strand	-
Start	1	End	2261
Name	OJ991008_12.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	2261
GI	4680203	Score	1682
Exons	1..1444, 2231..2261		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32015	Seq. ID	OJ991008_12.0103.C7
Gene No.	66224	Strand	-
Start	1	End	2261
Name	OJ991008_12.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	20	End	478
GI	none	Score	96
Exons	20..214, 224..478, 224..457		

Seq. No.	32015	Seq. ID	OJ991008_12.0103.C7
Gene No.	66224	Strand	-
Start	1	End	2261
Name	OJ991008_12.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	54	End	523
GI	none	Score	150
Exons	54..260, 54..263, 59..262, 59..283, 261..353, 263..361, 264..356, 365..469, 369..470, 467..523, 471..515		

Seq. No.	32015	Seq. ID	OJ991008_12.0103.C7
Gene No.	66224	Strand	-
Start	1	End	2261
Name	OJ991008_12.0103.C7.o1.gs	Method	GENSCAN
Start	137	End	1444
GI	none	Score	.55
Exons	137..428, 624..804, 1084..1219, 1225..1373, 1393..1444		

Seq. No.	32015	Seq. ID	OJ991008_12.0103.C7
Gene No.	66224	Strand	-
Start	1	End	2261
Name	OJ991008_12.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	311	End	653
GI	none	Score	83
Exons	311..652, 330..449, 507..653		

Seq. No.	32015	Seq. ID	OJ991008_12.0103.C7

Gene No.	66224	Strand	-
Start	1	End	2261
Name	OJ991008_12.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	392	End	821
GI	none	Score	113
Exons	392..688, 410..634, 738..821, 746..820		

Seq. No.	32015	Seq. ID	OJ991008_12.0103.C7
Gene No.	66224	Strand	-
Start	1	End	2261
Name	OJ991008_12.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	742	End	1087
GI	none	Score	171
Exons	742..993, 752..1003, 753..995, 986..1087		

Seq. No.	32016	Seq. ID	OJ991008_12.0103.C9
Gene No.	66225	Strand	+
Start	138	End	433
Name	OJ991008_12.0103.C9.o1.gs	Method	GENSCAN
Start	138	End	433
GI	none	Score	.68
Exons	138..175, 318..433		

Seq. No.	32017	Seq. ID	OJ991008_12.0103.C10
Gene No.	66226	Strand	-
Start	394	End	565
Name	OJ991008_12.0103.C10.o1.gs	Method	GENSCAN
Start	394	End	565
GI	none	Score	.62
Exons	394..565		

Seq. No.	32018	Seq. ID	OJ991008_12.0103.C11
Gene No.	66227	Strand	+
Start	2122	End	2419
Name	OJ991008_12.0103.C11.o1.gs	Method	GENSCAN
Start	2122	End	2419
GI	none	Score	.8
Exons	2122..2419		

Seq. No.	32019	Seq. ID	OJ991008_12.0103.C12
Gene No.	66228	Strand	+
Start	3888	End	4492
Name	OJ991008_12.0103.C12.o1.gs	Method	GENSCAN
Start	3888	End	4492
GI	none	Score	.43
Exons	3888..4039, 4138..4360, 4484..4492		

Seq. No.	32019	Seq. ID	OJ991008_12.0103.C12
Gene No.	66229	Strand	+
Start	9502	End	10176
Name	OJ991008_12.0103.C12.o3.gs	Method	GENSCAN
Start	9502	End	10176
GI	none	Score	.47
Exons	9502..9935, 10059..10176		

Seq. No.	32019	Seq. ID	OJ991008_12.0103.C12
Gene No.	66230	Strand	-

Start	5538	End	7486
Name	OJ991008_12.0103.C12.o1.np	Method	AAT/NAP
Start	5445	End	6788
GI	5852179	Score	273
Exons	5445..5672, 5746..5943, 6768..6788		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	32019	Seq. ID	OJ991008_12.0103.C12
Gene No.	66230	Strand	-
Start	5538	End	7486
Name	OJ991008_12.0103.C12.o2.gs	Method	GENSCAN
Start	5538	End	7486
GI	none	Score	.72
Exons	5538..5693, 5716..5988, 6768..6891, 7404..7486		

Seq. No.	32019	Seq. ID	OJ991008_12.0103.C12
Gene No.	66231	Strand	-
Start	7404	End	7658
Name	OJ991008_12.0103.C12.o1.gp	Method	AAT/GAP
Start	7404	End	7658
GI	61605_3.R1084	Score	397
Exons	7404..7658		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	32020	Seq. ID	OJ991008_12.0103.C13
Gene No.	66232	Strand	+
Start	7677	End	9533
Name	OJ991008_12.0103.C13.o2.gs	Method	GENSCAN
Start	7677	End	9336
GI	none	Score	.41
Exons	7677..8255, 9064..9336		

Seq. No.	32020	Seq. ID	OJ991008_12.0103.C13
Gene No.	66232	Strand	+
Start	7677	End	9533
Name	OJ991008_12.0103.C13.o1.np	Method	AAT/NAP
Start	7923	End	9533
GI	6598449	Score	244
Exons	7923..8191, 9019..9329, 9514..9533		
GI Descrip.	(AC005170) similar to senescence-associated protein [Arabidopsis thaliana]		

Seq. No.	32020	Seq. ID	OJ991008_12.0103.C13
Gene No.	66233	Strand	-
Start	10304	End	10380
Name	OJ991008_12.0103.C13.o2.tm	Method	TBLASTX:Maize
Start	710	End	4448
GI	none	Score	63
Exons	710..769, 868..963, 3759..3860, 3764..3859, 3788..3868, 3819..3866, 3835..3867, 3887..4081, 3889..4029, 3923..4021, 3938..4045, 3938..4021, 4028..4204, 4037..4183, 4037..4177, 4048..4176, 4048..4182, 4055..4207, 4055..4207, 4062..4208, 4065..4205, 4066..4176, 4070..4222, 4070..4219, 4078..4260, 4150..4248, 4157..4249, 4158..4265, 4210..4302, 4224..4310, 4238..4345, 4241..4345, 4283..4345, 4329..4349, 4386..4448		

Seq. No.	32020	Seq. ID	OJ991008_12.0103.C13
Gene No.	66233	Strand	-
Start	10304	End	10380
Name	OJ991008_12.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	8027	End	9304
GI	none	Score	199
Exons	8027..8182, 8028..8183, 9023..9085, 9025..9090, 9025..9063, 9070..9225, 9129..9239, 9133..9237, 9134..9304		

Seq. No.	32020	Seq. ID	OJ991008_12.0103.C13
Gene No.	66233	Strand	-
Start	10304	End	10380
Name	OJ991008_12.0103.C13.o1.tc	Method	TBLASTX:Cress
Start	8028	End	9262
GI	none	Score	108
Exons	8028..8117, 9023..9085, 9025..9084, 9128..9262, 9133..9228		

Seq. No.	32020	Seq. ID	OJ991008_12.0103.C13
Gene No.	66233	Strand	-
Start	10304	End	10380
Name	OJ991008_12.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	8028	End	9262
GI	none	Score	108
Exons	8028..8138, 9023..9088, 9025..9087, 9120..9230, 9121..9228, 9128..9262		

Seq. No.	32020	Seq. ID	OJ991008_12.0103.C13
Gene No.	66233	Strand	-
Start	10304	End	10380
Name	OJ991008_12.0103.C13.o1.gp	Method	AAT/GAP
Start	10304	End	10380
GI	5867_1.R1084	Score	116
Exons	10304..10380		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	32021	Seq. ID	OJ991008_12.0103.C14
Gene No.	66234	Strand	+
Start	613	End	7092
Name	OJ991008_12.0103.C14.o1.gs	Method	GENSCAN
Start	613	End	7092
GI	none	Score	.67
Exons	613..670, 3634..3819, 4989..5064, 6364..6620, 6625..6925, 6966..7092		

Seq. No.	32021	Seq. ID	OJ991008_12.0103.C14
Gene No.	66235	Strand	-
Start	5150	End	6897
Name	OJ991008_12.0103.C14.o1.np	Method	AAT/NAP
Start	5150	End	6897
GI	6063554	Score	203
Exons	5150..5323, 5961..5992, 6659..6897		

GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	32021	Seq. ID	OJ991008_12.0103.C14
Gene No.	66235	Strand	-
Start	5150	End	6897
Name	OJ991008_12.0103.C14.o1.gp	Method	AAT/GAP
Start	5758	End	6009
GI	101153_1.R1084	Score	384
Exons	5758..6009		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	32021	Seq. ID	OJ991008_12.0103.C14
Gene No.	66236	Strand	-
Start	7929	End	10608
Name	OJ991008_12.0103.C14.o2.gs	Method	GENSCAN
Start	7929	End	10512
GI	none	Score	.6
Exons	7929..8012, 10345..10512		
Seq. No.	32021	Seq. ID	OJ991008_12.0103.C14
Gene No.	66236	Strand	-
Start	7929	End	10608
Name	OJ991008_12.0103.C14.o2.np	Method	AAT/NAP
Start	8652	End	10608
GI	4680186	Score	107
Exons	8652..8691, 10416..10608		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	32021	Seq. ID	OJ991008_12.0103.C14
Gene No.	66236	Strand	-
Start	7929	End	10608
Name	OJ991008_12.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	8705	End	8983
GI	none	Score	201
Exons	8705..8983, 8711..8941		
Seq. No.	32022	Seq. ID	OJ991008_12.0103.C15
Gene No.	66237	Strand	-
Start	1	End	4554
Name	OJ991008_12.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	1413
GI	3269291	Score	212
Exons	1..19, 596..726, 820..1037, 1113..1195, 1253..1413		
GI Descrip.	(AL030978) putative receptor protein kinase [Arabidopsis thaliana]		
Seq. No.	32022	Seq. ID	OJ991008_12.0103.C15
Gene No.	66237	Strand	-
Start	1	End	4554
Name	OJ991008_12.0103.C15.o1.gs	Method	GENSCAN
Start	582	End	4554
GI	none	Score	.9
Exons	582..726, 829..1045, 1133..1409, 2778..2956, 4410..4554		

Seq. No.	32022	Seq. ID	OJ991008_12.0103.C15
Gene No.	66237	Strand	-
Start	1	End	4554
Name	OJ991008_12.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	615	End	1041
GI	none	Score	48
Exons	615..725, 616..726, 817..1041, 837..1040		

Seq. No.	32022	Seq. ID	OJ991008_12.0103.C15
Gene No.	66237	Strand	-
Start	1	End	4554
Name	OJ991008_12.0103.C15.o1.tc	Method	TBLASTX:Cress
Start	618	End	1415
GI	none	Score	46
Exons	618..725, 813..830, 876..1037, 1116..1187, 1200..1304, 1371..1415		

Seq. No.	32022	Seq. ID	OJ991008_12.0103.C15
Gene No.	66237	Strand	-
Start	1	End	4554
Name	OJ991008_12.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	630	End	1040
GI	none	Score	198
Exons	630..725, 837..1040		

Seq. No.	32022	Seq. ID	OJ991008_12.0103.C15
Gene No.	66237	Strand	-
Start	1	End	4554
Name	OJ991008_12.0103.C15.o1.tw	Method	TBLASTX:Wheat
Start	834	End	1040
GI	none	Score	93
Exons	834..1040, 873..1040		

Seq. No.	32023	Seq. ID	OJ991008_12.0103.C16
Gene No.	66238	Strand	+
Start	81	End	266
Name	OJ991008_12.0103.C16.o1.gs	Method	GENSCAN
Start	81	End	266
GI	none	Score	.46
Exons	81..266		

Seq. No.	32024	Seq. ID	OJ991008_12.0103.C18
Gene No.	66239	Strand	-
Start	1	End	8270
Name	OJ991008_12.0103.C18.o1.np	Method	AAT/NAP
Start	1	End	8270
GI	3980411	Score	88
Exons	1..94, 2629..2776, 2920..3183, 4915..5017, 8124..8270		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	32024	Seq. ID	OJ991008_12.0103.C18
Gene No.	66239	Strand	-
Start	1	End	8270
Name	OJ991008_12.0103.C18.o1.gs	Method	GENSCAN
Start	1357	End	7111
GI	none	Score	.59
Exons	1357..1861, 2200..2297, 2380..2447, 2591..3183, 3842..3897,		

6476..6753, 7022..7111

Seq. No.	32025	Seq. ID	OJ991008_12.0103.C19
Gene No.	66240	Strand	+
Start	481	End	542
Name	OJ991008_12.0103.C19.o1.gs	Method	GENSCAN
Start	481	End	542
GI	none	Score	.82
Exons	481..542		

Seq. No.	32026	Seq. ID	OJ991008_12.0103.C21
Gene No.	66241	Strand	+
Start	2631	End	4263
Name	OJ991008_12.0103.C21.o2.gs	Method	GENSCAN
Start	2631	End	4263
GI	none	Score	.6
Exons	2631..2699, 3053..3179, 3965..4017, 4044..4263		

Seq. No.	32026	Seq. ID	OJ991008_12.0103.C21
Gene No.	66242	Strand	-
Start	78	End	386
Name	OJ991008_12.0103.C21.o1.tm	Method	TBLASTX:Maize
Start	6	End	365
GI	none	Score	62
Exons	6..365, 66..206, 279..335		

Seq. No.	32026	Seq. ID	OJ991008_12.0103.C21
Gene No.	66242	Strand	-
Start	78	End	386
Name	OJ991008_12.0103.C21.o1.gs	Method	GENSCAN
Start	78	End	386
GI	none	Score	.54
Exons	78..386		

Seq. No.	32027	Seq. ID	OJ991008_12.0103.C22
Gene No.	66243	Strand	+
Start	267	End	2323
Name	OJ991008_12.0103.C22.o2.tm	Method	TBLASTX:Maize
Start	140	End	596
GI	none	Score	87
Exons	140..208, 150..233, 248..496, 255..506, 515..595, 552..596		

Seq. No.	32027	Seq. ID	OJ991008_12.0103.C22
Gene No.	66243	Strand	+
Start	267	End	2323
Name	OJ991008_12.0103.C22.o1.np	Method	AAT/NAP
Start	267	End	2323
GI	6069646	Score	1002
Exons	267..1061, 1344..2323		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	32027	Seq. ID	OJ991008_12.0103.C22
Gene No.	66243	Strand	+

Start	267	End	2323
Name	OJ991008_12.0103.C22.o1.tm	Method	TBLASTX:Maize
Start	597	End	1283
GI	none	Score	413
Exons	597..1283, 644..805, 842..931, 1031..1159, 1086..1190		

Seq. No.	32027	Seq. ID	OJ991008_12.0103.C22
Gene No.	66243	Strand	+
Start	267	End	2323
Name	OJ991008_12.0103.C22.o1.ts	Method	TBLASTX:Soybean
Start	903	End	1415
GI	none	Score	137
Exons	903..1220, 1314..1415		

Seq. No.	32027	Seq. ID	OJ991008_12.0103.C22
Gene No.	66243	Strand	+
Start	267	End	2323
Name	OJ991008_12.0103.C22.o1.tw	Method	TBLASTX:Wheat
Start	923	End	1364
GI	none	Score	229
Exons	923..1225, 924..1226, 1238..1363, 1257..1364		

Seq. No.	32027	Seq. ID	OJ991008_12.0103.C22
Gene No.	66243	Strand	+
Start	267	End	2323
Name	OJ991008_12.0103.C22.o4.tm	Method	TBLASTX:Maize
Start	1340	End	1634
GI	none	Score	159
Exons	1340..1519, 1341..1520, 1532..1588, 1533..1634		

Seq. No.	32027	Seq. ID	OJ991008_12.0103.C22
Gene No.	66243	Strand	+
Start	267	End	2323
Name	OJ991008_12.0103.C22.o3.tm	Method	TBLASTX:Maize
Start	1713	End	2111
GI	none	Score	239
Exons	1713..2111		

Seq. No.	32028	Seq. ID	OJ991008_12.0103.C23
Gene No.	66244	Strand	+
Start	318	End	632
Name	OJ991008_12.0103.C23.o1.gs	Method	GENSCAN
Start	318	End	632
GI	none	Score	.85
Exons	318..416, 495..632		

Seq. No.	32029	Seq. ID	OJ991118_16.0112.C3
Gene No.	66245	Strand	-
Start	289	End	973
Name	OJ991118_16.0112.C3.o1.tm	Method	TBLASTX:Maize
Start	2	End	973
GI	none	Score	75
Exons	2..349, 2..259, 2..223, 8..196, 419..706, 419..745, 422..742, 752..973		

Seq. No.	32029	Seq. ID	OJ991118_16.0112.C3
Gene No.	66245	Strand	-

Start	289	End	973
Name	OJ991118_16.0112.C3.o1.ts	Method	TBLASTX:Soybean
Start	2	End	919
GI	none	Score	188
Exons	2..223, 23..199, 212..919, 398..655, 419..745		

Seq. No.	32029	Seq. ID	OJ991118_16.0112.C3
Gene No.	66245	Strand	-
Start	289	End	973
Name	OJ991118_16.0112.C3.o1.gs	Method	GENSCAN
Start	289	End	973
GI	none	Score	.46
Exons	289..396, 472..973		

Seq. No.	32030	Seq. ID	OJ991118_16.0112.C4
Gene No.	66246	Strand	+
Start	471	End	556
Name	OJ991118_16.0112.C4.o1.gs	Method	GENSCAN
Start	471	End	556
GI	none	Score	.73
Exons	471..556		

Seq. No.	32030	Seq. ID	OJ991118_16.0112.C4
Gene No.	66247	Strand	-
Start	1470	End	1597
Name	OJ991118_16.0112.C4.o1.tm	Method	TBLASTX:Maize
Start	676	End	1358
GI	none	Score	149
Exons	676..969, 685..813, 687..824, 700..864, 703..858, 706..870, 720..959, 738..830, 756..782, 808..1023, 809..1039, 858..1040, 899..1054, 901..1047, 901..1053, 902..1054, 905..1042, 926..1054, 933..1061, 941..1072, 981..1019, 1013..1174, 1018..1197, 1050..1169, 1064..1171, 1071..1202, 1073..1177, 1080..1202, 1087..1179, 1088..1171, 1089..1217, 1095..1208, 1097..1186, 1098..1220, 1102..1224, 1210..1281, 1241..1270, 1242..1301, 1242..1358, 1258..1329		

Seq. No.	32030	Seq. ID	OJ991118_16.0112.C4
Gene No.	66247	Strand	-
Start	1470	End	1597
Name	OJ991118_16.0112.C4.o2.gs	Method	GENSCAN
Start	1470	End	1597
GI	none	Score	.62
Exons	1470..1597		

Seq. No.	32031	Seq. ID	OJ991118_16.0112.C5
Gene No.	66248	Strand	+
Start	1	End	360
Name	OJ991118_16.0112.C5.o1.gp	Method	AAT/GAP
Start	1	End	360
GI	7406_1.R1084	Score	476
Exons	1..251, 286..360		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	32031	Seq. ID	OJ991118_16.0112.C5
Gene No.	66249	Strand	-

Start	554	End	1529
Name	OJ991118_16.0112.C5.o2.gp	Method	AAT/GAP
Start	303	End	756
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	303..756		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	32031	Seq. ID	OJ991118_16.0112.C5
Gene No.	66249	Strand	-
Start	554	End	1529
Name	OJ991118_16.0112.C5.o1.gs	Method	GENSCAN
Start	554	End	1341
GI	none	Score	.74
Exons	554..741, 892..1094, 1099..1146, 1210..1341		

Seq. No.	32031	Seq. ID	OJ991118_16.0112.C5
Gene No.	66249	Strand	-
Start	554	End	1529
Name	OJ991118_16.0112.C5.o1.np	Method	AAT/NAP
Start	860	End	1529
GI	5441880	Score	601
Exons	860..1094, 1210..1341, 1432..1529		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32032	Seq. ID	OJ991118_16.0112.C6
Gene No.	66250	Strand	-
Start	1	End	3268
Name	OJ991118_16.0112.C6.o1.np	Method	AAT/NAP
Start	1	End	3268
GI	5441880	Score	2366
Exons	1..99, 344..602, 679..977, 1562..1898, 2004..2154, 2658..3268		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32032	Seq. ID	OJ991118_16.0112.C6
Gene No.	66250	Strand	-
Start	1	End	3268
Name	OJ991118_16.0112.C6.o1.gs	Method	GENSCAN
Start	69	End	2735
GI	none	Score	.77
Exons	69..251, 344..602, 679..977, 1067..1477, 1562..1898, 2004..2154, 2538..2735		

Seq. No.	32032	Seq. ID	OJ991118_16.0112.C6
Gene No.	66250	Strand	-
Start	1	End	3268
Name	OJ991118_16.0112.C6.o1.gp	Method	AAT/GAP
Start	352	End	851
GI	LIB3475-007-P1-K1-G8	Score	805
Exons	352..602, 679..851		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	32033	Seq. ID	OJ991118_16.0112.C7
Gene No.	66251	Strand	+
Start	301	End	930
Name	OJ991118_16.0112.C7.o1.gs	Method	GENSCAN
Start	301	End	930
GI	none	Score	.61
Exons	301..430, 726..930		

Seq. No.	32033	Seq. ID	OJ991118_16.0112.C7
Gene No.	66252	Strand	+
Start	1812	End	2379
Name	OJ991118_16.0112.C7.o1.tw	Method	TBLASTX:Wheat
Start	3	End	287
GI	none	Score	209
Exons	3..182, 5..178, 234..287		

Seq. No.	32033	Seq. ID	OJ991118_16.0112.C7
Gene No.	66252	Strand	+
Start	1812	End	2379
Name	OJ991118_16.0112.C7.o2.tm	Method	TBLASTX:Maize
Start	3	End	287
GI	none	Score	89
Exons	3..95, 87..146, 156..194, 192..287		

Seq. No.	32033	Seq. ID	OJ991118_16.0112.C7
Gene No.	66252	Strand	+
Start	1812	End	2379
Name	OJ991118_16.0112.C7.o1.tm	Method	TBLASTX:Maize
Start	520	End	849
GI	none	Score	240
Exons	520..849		

Seq. No.	32033	Seq. ID	OJ991118_16.0112.C7
Gene No.	66252	Strand	+
Start	1812	End	2379
Name	OJ991118_16.0112.C7.o1.gp	Method	AAT/GAP
Start	1812	End	2379
GI	4879016	Score	847
Exons	1812..2379		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66253	Strand	+
Start	136	End	15323
Name	OJ991118_16.0112.C8.o1.gs	Method	GENSCAN
Start	136	End	15323
GI	none	Score	.65
Exons	136..189, 322..415, 458..888, 921..1530, 1700..1975, 2105..2697, 3315..3684, 3878..3986, 5086..5151, 5654..5831, 5994..6099, 6202..6314, 7488..7636, 8884..9008, 9549..9616, 9643..9764, 10341..10600, 10791..11922, 14789..15049, 15185..15323		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66253	Strand	+

Start	136	End	15323
Name	OJ991118_16.0112.C8.o1.np	Method	AAT/NAP
Start	454	End	5788
GI	5441880	Score	1511
Exons	454..1452, 1898..1929, 2188..2508, 5768..5788		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66253	Strand	+
Start	136	End	15323
Name	OJ991118_16.0112.C8.o2.np	Method	AAT/NAP
Start	454	End	4698
GI	5441880	Score	1512
Exons	454..1452, 1898..1929, 2188..2556, 4521..4698		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66253	Strand	+
Start	136	End	15323
Name	OJ991118_16.0112.C8.o4.np	Method	AAT/NAP
Start	10901	End	11923
GI	6553884	Score	483
Exons	10901..11024, 11229..11923		
GI Descrip.	(AC012563) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66253	Strand	+
Start	136	End	15323
Name	OJ991118_16.0112.C8.o1.gp	Method	AAT/GAP
Start	11865	End	12226
GI	none	Score	662
Exons	11865..12226		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66253	Strand	+
Start	136	End	15323
Name	OJ991118_16.0112.C8.o2.gp	Method	AAT/GAP
Start	14352	End	14624
GI	LIB3432-016-P1-K1-B4	Score	365
Exons	14352..14624		
GI Descrip.	'671740/emb|CAA59218| 3.0e-26 (X84730) ribulose-bisphosphate carboxylase [synthetic construct]'		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66254	Strand	+
Start	16844	End	17864
Name	OJ991118_16.0112.C8.o6.np	Method	AAT/NAP
Start	16844	End	17864
GI	6967113	Score	387
Exons	16844..17864		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8

Gene No.	66254	Strand	+
Start	16844	End	17864
Name	OJ991118_16.0112.C8.o5.np	Method	AAT/NAP
Start	17084	End	17489
GI	2462640	Score	494
Exons	17084..17489		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66255	Strand	-
Start	3788	End	7174
Name	OJ991118_16.0112.C8.o3.np	Method	AAT/NAP
Start	3788	End	7174
GI	6721516	Score	568
Exons	3788..3966, 4426..4762, 5175..5423, 7122..7174		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66256	Strand	-
Start	17896	End	17957
Name	OJ991118_16.0112.C8.o3.tm	Method	TBLASTX:Maize
Start	1008	End	1486
GI	none	Score	352
Exons	1008..1475, 1013..1486		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66256	Strand	-
Start	17896	End	17957
Name	OJ991118_16.0112.C8.o1.tw	Method	TBLASTX:Wheat
Start	1304	End	1680
GI	none	Score	193
Exons	1304..1456, 1305..1508, 1506..1643, 1528..1656, 1621..1680		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66256	Strand	-
Start	17896	End	17957
Name	OJ991118_16.0112.C8.o1.ts	Method	TBLASTX:Soybean
Start	11470	End	11926
GI	none	Score	206
Exons	11470..11520, 11568..11777, 11569..11919, 11593..11925, 11594..11926, 11606..11926		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66256	Strand	-
Start	17896	End	17957
Name	OJ991118_16.0112.C8.o1.tc	Method	TBLASTX:Cress
Start	11593	End	11949
GI	none	Score	217
Exons	11593..11739, 11594..11737, 11753..11791, 11782..11925, 11783..11926, 11794..11949		

Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66256	Strand	-
Start	17896	End	17957
Name	OJ991118_16.0112.C8.o2.tm	Method	TBLASTX:Maize
Start	11594	End	11926
GI	none	Score	361

Exons	11594..11926, 11623..11925		
Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66256	Strand	-
Start	17896	End	17957
Name	OJ991118_16.0112.C8.o2.tw	Method	TBLASTX:Wheat
Start	16007	End	16330
GI	none	Score	309
Exons	16007..16330, 16018..16329		
Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66256	Strand	-
Start	17896	End	17957
Name	OJ991118_16.0112.C8.o1.tm	Method	TBLASTX:Maize
Start	17120	End	17861
GI	none	Score	176
Exons	17120..17386, 17418..17636, 17450..17542, 17588..17623, 17667..17861		
Seq. No.	32034	Seq. ID	OJ991118_16.0112.C8
Gene No.	66256	Strand	-
Start	17896	End	17957
Name	OJ991118_16.0112.C8.o2.gs	Method	GENSCAN
Start	17896	End	17957
GI	none	Score	83
Exons	17896..17957		
Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66257	Strand	+
Start	67	End	3643
Name	OJ991118_16.0112.C9.o1.gs	Method	GENSCAN
Start	67	End	3643
GI	none	Score	.68
Exons	67..171, 374..490, 589..823, 881..1117, 1389..1735, 1751..1980, 2179..2566, 2635..2700, 2770..2883, 2963..3643		
Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o2.gs	Method	GENSCAN
Start	4023	End	7968
GI	none	Score	.43
Exons	4023..7127, 7163..7340, 7454..7968		
Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o3.ts	Method	TBLASTX:Soybean
Start	4033	End	4283
GI	none	Score	52
Exons	4033..4074, 4038..4283, 4111..4272, 4116..4283		
Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o1.np	Method	AAT/NAP
Start	4044	End	10331

GI	4544372	Score	1198
Exons	4044..5615, 5721..6122, 6183..7195, 10297..10331		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o2.tw	Method	TBLASTX:Wheat
Start	4059	End	4466
GI	none	Score	92
Exons	4059..4466, 4093..4443		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o4.ts	Method	TBLASTX:Soybean
Start	4626	End	5024
GI	none	Score	61
Exons	4626..5024, 4800..4919		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o3.tm	Method	TBLASTX:Maize
Start	4647	End	5027
GI	none	Score	87
Exons	4647..4871, 4869..5027		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o5.tw	Method	TBLASTX:Wheat
Start	4794	End	5183
GI	none	Score	108
Exons	4794..4850, 4881..4988, 5022..5183		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o3.tw	Method	TBLASTX:Wheat
Start	5445	End	5843
GI	none	Score	76
Exons	5445..5714, 5745..5843		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o1.ts	Method	TBLASTX:Soybean
Start	5476	End	5888
GI	none	Score	132
Exons	5476..5730, 5478..5729, 5737..5886, 5751..5888		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o2.ts	Method	TBLASTX:Soybean

Start	6039	End	6509
GI	none	Score	79
Exons	6039..6227, 6070..6183, 6228..6509, 6379..6471		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o4.tw	Method	TBLASTX:Wheat
Start	6126	End	6524
GI	none	Score	82
Exons	6126..6227, 6189..6524, 6244..6507		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o1.tm	Method	TBLASTX:Maize
Start	6195	End	6656
GI	none	Score	73
Exons	6195..6656, 6196..6321, 6270..6656		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o1.tw	Method	TBLASTX:Wheat
Start	6525	End	6929
GI	none	Score	238
Exons	6525..6869, 6525..6878, 6539..6880, 6592..6870, 6873..6929, 6883..6924		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o2.tm	Method	TBLASTX:Maize
Start	6657	End	6875
GI	none	Score	214
Exons	6657..6875, 6658..6870, 6675..6875		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o6.ts	Method	TBLASTX:Soybean
Start	6726	End	7091
GI	none	Score	72
Exons	6726..6860, 6867..7091, 6901..7080		

Seq. No.	32035	Seq. ID	OJ991118_16.0112.C9
Gene No.	66258	Strand	-
Start	4023	End	10331
Name	OJ991118_16.0112.C9.o5.ts	Method	TBLASTX:Soybean
Start	7498	End	7836
GI	none	Score	200
Exons	7498..7836		

Seq. No.	32036	Seq. ID	OJ991118_16.0112.C10
Gene No.	66259	Strand	+
Start	96	End	654
Name	OJ991118_16.0112.C10.o1.np	Method	AAT/NAP

Start	96	End	654
GI	5922620	Score	65
Exons	96..241, 288..312, 597..654		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32037	Seq. ID	OJ991118_16.0112.C12
Gene No.	66260	Strand	-
Start	1769	End	6304
Name	OJ991118_16.0112.C12.o1.gs	Method	GENSCAN
Start	1769	End	6304
GI	none	Score	.42
Exons	1769..1841, 1863..1930, 2003..2328, 4411..4893, 5075..5240, 5609..5802, 5889..5929, 6198..6304		

Seq. No.	32037	Seq. ID	OJ991118_16.0112.C12
Gene No.	66260	Strand	-
Start	1769	End	6304
Name	OJ991118_16.0112.C12.o1.ts	Method	TBLASTX:Soybean
Start	4268	End	4607
GI	none	Score	151
Exons	4268..4594, 4274..4606, 4275..4607		

Seq. No.	32037	Seq. ID	OJ991118_16.0112.C12
Gene No.	66260	Strand	-
Start	1769	End	6304
Name	OJ991118_16.0112.C12.o1.tc	Method	TBLASTX:Cress
Start	4270	End	4608
GI	none	Score	106
Exons	4270..4413, 4271..4411, 4274..4417, 4275..4418, 4463..4606, 4467..4607, 4474..4608		

Seq. No.	32037	Seq. ID	OJ991118_16.0112.C12
Gene No.	66260	Strand	-
Start	1769	End	6304
Name	OJ991118_16.0112.C12.o1.tm	Method	TBLASTX:Maize
Start	4274	End	4606
GI	none	Score	208
Exons	4274..4606, 4275..4577		

Seq. No.	32037	Seq. ID	OJ991118_16.0112.C12
Gene No.	66260	Strand	-
Start	1769	End	6304
Name	OJ991118_16.0112.C12.o1.np	Method	AAT/NAP
Start	4277	End	6086
GI	6553884	Score	430
Exons	4277..4721, 6049..6086		
GI Descrip.	(AC012563) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66261	Strand	+
Start	12189	End	13119
Name	OJ991118_16.0112.C13.o3.gs	Method	GENSCAN
Start	12189	End	13119

GI	none	Score	.58
Exons	12189..12332, 13039..13119		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66262	Strand	+
Start	16892	End	18920
Name	OJ991118_16.0112.C13.o5.gs	Method	GENSCAN
Start	16892	End	18920
GI	none	Score	.59
Exons	16892..17094, 17673..17930, 18176..18254, 18358..18450, 18852..18920		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66263	Strand	+
Start	20121	End	22816
Name	OJ991118_16.0112.C13.o6.gs	Method	GENSCAN
Start	20121	End	21017
GI	none	Score	.63
Exons	20121..20234, 20877..21017		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66263	Strand	+
Start	20121	End	22816
Name	OJ991118_16.0112.C13.o4.np	Method	AAT/NAP
Start	20210	End	22816
GI	4678269	Score	57
Exons	20210..20238, 22681..22816		
GI Descrip.	(AL049660) putative protein [Arabidopsis thaliana]		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66264	Strand	+
Start	28590	End	30204
Name	OJ991118_16.0112.C13.o8.gs	Method	GENSCAN
Start	28590	End	30204
GI	none	Score	.57
Exons	28590..28738, 30045..30204		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66265	Strand	-
Start	5478	End	11813
Name	OJ991118_16.0112.C13.o1.gp	Method	AAT/GAP
Start	5044	End	8617
GI	19933_1.R1084	Score	2399
Exons	5044..5363, 5463..6057, 6133..6198, 6587..6749, 6853..6944, 8573..8617		
GI Descrip.	'2129740/pir||S71367 1.0e-28 small nuclear ribonucleoprotein - Arabidopsis thaliana >gi_2129756_pir__S71411 U1 snRNP 70K protein - Arabidopsis thaliana >gi_1255711 (M93439) small nuclear ribonucleoprotein [Arabidopsis thaliana] >gi_1354469 (U52909) U1 snRNP 70K protein [Arabidopsis thaliana]'		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66265	Strand	-
Start	5478	End	11813
Name	OJ991118_16.0112.C13.o2.gs	Method	GENSCAN
Start	5478	End	11813
GI	none	Score	.88

Exons	5478..6057, 6133..6198, 6587..6749, 6853..6934, 8563..8625, 8725..8789, 8871..8946, 9660..9739, 9900..10014, 10115..10321, 10715..10873, 10971..11028, 11806..11813		
Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66265	Strand	-
Start	5478	End	11813
Name	OJ991118_16.0112.C13.o1.np	Method	AAT/NAP
Start	5592	End	10216
GI	2129740	Score	906
Exons	5592..6057, 6133..6205, 6606..6749, 6853..6934, 8563..8625, 8725..8789, 8871..8946, 9660..9739, 9900..10014, 10115..10216		
GI Descrip.	small nuclear ribonucleoprotein - Arabidopsis thaliana gi|2129756|pir||S71411 U1 snRNP 70K protein - Arabidopsis thaliana gi|1255711 (M93439) small nuclear ribonucleoprotein [Arabidopsis thaliana] gi|1354469 (U52909) U1 snRNP 70K protein [Arabidopsis thaliana] gi|6561970|emb|CAB62436.1| (AL132979) U1 snRNP 70K protein [Arabidopsis thaliana]		
Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66265	Strand	-
Start	5478	End	11813
Name	OJ991118_16.0112.C13.o2.gp	Method	AAT/GAP
Start	8886	End	10326
GI	12799_1.R1084	Score	828
Exons	8886..8946, 9660..9739, 9900..10014, 10115..10326		
GI Descrip.	'1354466 3.0e-34 (U52910) U1 snRNP 70K truncated protein [Arabidopsis thaliana] >gi_1354468 (U52909) U1 snRNP 70K truncated protein [Arabidopsis thaliana]'		
Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66266	Strand	-
Start	14234	End	16135
Name	OJ991118_16.0112.C13.o2.np	Method	AAT/NAP
Start	14180	End	16135
GI	4249662	Score	170
Exons	14180..14272, 14390..14494, 14566..14676, 16104..16135		
GI Descrip.	(AF089810) Altered Response to Gravity [Arabidopsis thaliana] gi|6714354|gb|AAF26045.1|AC015986_8 (AC015986) ARG1 protein (Altered Response to Gravity) [Arabidopsis thaliana]		
Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66266	Strand	-
Start	14234	End	16135
Name	OJ991118_16.0112.C13.o4.gs	Method	GENSCAN
Start	14234	End	15185
GI	none	Score	.77
Exons	14234..14272, 14390..14494, 14566..14656, 14803..15185		
Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66267	Strand	-
Start	17179	End	21037
Name	OJ991118_16.0112.C13.o3.np	Method	AAT/NAP
Start	17179	End	21037
GI	5922620	Score	180
Exons	17179..17198, 19451..19690, 19835..19891, 20684..20834, 20994..21037		

GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66268	Strand	-
Start	22238	End	25632
Name	OJ991118_16.0112.C13.o7.gs	Method	GENSCAN
Start	22238	End	25632
GI	none	Score	.47
Exons	22238..22441, 22480..22614, 23396..23457, 24717..24822, 25588..25632		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66269	Strand	-
Start	25928	End	32248
Name	OJ991118_16.0112.C13.o5.np	Method	AAT/NAP
Start	25928	End	32248
GI	4938486	Score	226
Exons	25928..25948, 29026..29231, 29307..29427, 30192..30341, 30515..30585, 30825..31008, 32229..32248		
GI Descrip.	(AL078464) putative protein [Arabidopsis thaliana]		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66269	Strand	-
Start	25928	End	32248
Name	OJ991118_16.0112.C13.o3.gp	Method	AAT/GAP
Start	29009	End	30369
GI	LIB3432-019-P1-K1-C10	Score	784
Exons	29009..29231, 29307..29434, 30291..30369		
GI Descrip.	'4938486/emb|CAB43845.1| 1.0e-26 (AL078464) putative protein [Arabidopsis thaliana]'		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o1.tc	Method	TBLASTX:Cress
Start	2698	End	2890
GI	none	Score	282
Exons	2698..2886, 2702..2890, 2792..2890		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o1.ts	Method	TBLASTX:Soybean
Start	2702	End	2894
GI	none	Score	259
Exons	2702..2884, 2713..2880, 2799..2894		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o2.tm	Method	TBLASTX:Maize
Start	2702	End	2886
GI	none	Score	250

Exons	2702..2884, 2703..2885, 2704..2886, 2704..2880		
Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o1.tw	Method	TBLASTX:Wheat
Start	2705	End	2910
GI	none	Score	197
Exons	2705..2884, 2755..2880, 2767..2910		
Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o1.tm	Method	TBLASTX:Maize
Start	5495	End	10207
GI	none	Score	78
Exons	5495..5587, 5498..5587, 5577..5624, 5584..5619, 5618..5653, 5622..5651, 5667..5741, 5672..5764, 5762..5809, 5763..5795, 5794..5841, 5819..5842, 5900..6058, 5978..6058, 6128..6199, 6129..6200, 6574..6750, 6585..6773, 6850..6909, 6851..6937, 6855..6935, 8560..8625, 8561..8623, 8725..8799, 8725..8787, 8868..8948, 8872..8952, 9660..9740, 9661..9741, 9874..10014, 9877..10014, 10124..10156, 10175..10207		
Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o2.ts	Method	TBLASTX:Soybean
Start	6571	End	6941
GI	none	Score	128
Exons	6571..6747, 6586..6747, 6602..6748, 6606..6752, 6615..6752, 6851..6925, 6851..6940, 6855..6941, 6855..6941		
Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o3.tc	Method	TBLASTX:Cress
Start	6615	End	10014
GI	none	Score	74
Exons	6615..6698, 6615..6740, 6616..6744, 6658..6747, 6851..6937, 6855..6935, 6855..6941, 8557..8625, 8560..8625, 8725..8787, 8726..8788, 9666..9740, 9676..9741, 9895..10014		
Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o3.tm	Method	TBLASTX:Maize
Start	14197	End	14638
GI	none	Score	126
Exons	14197..14274, 14387..14494, 14388..14498, 14564..14638, 14566..14637		
Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o4.tc	Method	TBLASTX:Cress
Start	14387	End	14664

GI	none	Score	134
Exons	14387..14494, 14391..14498, 14564..14638, 14566..14664		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o2.tc	Method	TBLASTX:Cress
Start	29016	End	31493
GI	none	Score	114
Exons	29016..29045, 29037..29234, 29074..29232, 29304..29384, 29314..29418, 31366..31449, 31391..31450, 31394..31450, 31452..31493		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o4.tm	Method	TBLASTX:Maize
Start	29077	End	29226
GI	none	Score	133
Exons	29077..29226, 29079..29225		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o9.gs	Method	GENSCAN
Start	32200	End	32778
GI	none	Score	.49
Exons	32200..32778		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o3.ts	Method	TBLASTX:Soybean
Start	32326	End	32823
GI	none	Score	146
Exons	32326..32805, 32419..32817, 32524..32823, 32731..32817		

Seq. No.	32038	Seq. ID	OJ991118_16.0112.C13
Gene No.	66270	Strand	-
Start	32200	End	32823
Name	OJ991118_16.0112.C13.o5.tm	Method	TBLASTX:Maize
Start	32326	End	32820
GI	none	Score	148
Exons	32326..32817, 32326..32817, 32488..32820		

Seq. No.	32039	Seq. ID	OJ991118_16.0112.C15
Gene No.	66271	Strand	+
Start	8087	End	12814
Name	OJ991118_16.0112.C15.o4.gs	Method	GENSCAN
Start	8087	End	12814
GI	none	Score	.48
Exons	8087..8121, 8295..8467, 9153..9247, 9900..10098, 10176..10279, 10346..10509, 12174..12433, 12486..12814		

Seq. No.	32039	Seq. ID	OJ991118_16.0112.C15
Gene No.	66271	Strand	+
Start	8087	End	12814

Name	OJ991118_16.0112.C15.o2.np	Method	AAT/NAP
Start	9787	End	10033
GI	6721512	Score	73
Exons	9787..9899, 9926..10033		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32039	Seq. ID	OJ991118_16.0112.C15
Gene No.	66272	Strand	-
Start	3890	End	7702
Name	OJ991118_16.0112.C15.o1.np	Method	AAT/NAP
Start	3611	End	7679
GI	5091513	Score	1567
Exons	3611..3771, 3931..4121, 4956..5113, 5180..6073, 6898..7679		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32039	Seq. ID	OJ991118_16.0112.C15
Gene No.	66272	Strand	-
Start	3890	End	7702
Name	OJ991118_16.0112.C15.o2.gs	Method	GENSCAN
Start	3890	End	6086
GI	none	Score	.74
Exons	3890..4005, 4685..5227, 5252..6086		

Seq. No.	32039	Seq. ID	OJ991118_16.0112.C15
Gene No.	66272	Strand	-
Start	3890	End	7702
Name	OJ991118_16.0112.C15.o3.gs	Method	GENSCAN
Start	6838	End	7702
GI	none	Score	.71
Exons	6838..7059, 7109..7286, 7305..7465, 7556..7702		

Seq. No.	32040	Seq. ID	OJ991118_16.0112.C16
Gene No.	66273	Strand	+
Start	276	End	516
Name	OJ991118_16.0112.C16.o1.np	Method	AAT/NAP
Start	276	End	516
GI	6478204	Score	102
Exons	276..516		
GI Descrip.	(AF108432) NADPH-dependent codeinone reductase [Papaver somniferum]		

Seq. No.	32040	Seq. ID	OJ991118_16.0112.C16
Gene No.	66274	Strand	+
Start	5491	End	11918
Name	OJ991118_16.0112.C16.o1.gs	Method	GENSCAN
Start	5491	End	11918
GI	none	Score	.83
Exons	5491..5900, 7105..7354, 9917..10096, 10427..10601, 10834..10971, 11085..11240, 11773..11918		

Seq. No.	32040	Seq. ID	OJ991118_16.0112.C16
Gene No.	66274	Strand	+
Start	5491	End	11918
Name	OJ991118_16.0112.C16.o1.gp	Method	AAT/GAP
Start	5535	End	7223
GI	64574_1.R1084	Score	861
Exons	5535..5900, 7105..7223		

GI Descrip. '2792295 8.0e-24 (AF039182) unknown [Fragaria x ananassa]'

Seq. No.	32040	Seq. ID	OJ991118_16.0112.C16
Gene No.	66274	Strand	+
Start	5491	End	11918
Name	OJ991118_16.0112.C16.o3.np	Method	AAT/NAP
Start	5578	End	10597
GI	6478216	Score	799
Exons	5578..5900, 7105..7354, 9917..10096, 10379..10597		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	32040	Seq. ID	OJ991118_16.0112.C16
Gene No.	66274	Strand	+
Start	5491	End	11918
Name	OJ991118_16.0112.C16.o2.gp	Method	AAT/GAP
Start	7228	End	10588
GI	2801031	Score	867
Exons	7228..7354, 9917..10096, 10379..10588		
GI Descrip.	2792155/emb|CAA11226| 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]		

Seq. No.	32040	Seq. ID	OJ991118_16.0112.C16
Gene No.	66275	Strand	-
Start	2858	End	3009
Name	OJ991118_16.0112.C16.o2.np	Method	AAT/NAP
Start	2858	End	3009
GI	6815099	Score	70
Exons	2858..3009		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32040	Seq. ID	OJ991118_16.0112.C16
Gene No.	66276	Strand	-
Start	14209	End	14559
Name	OJ991118_16.0112.C16.o2.tm	Method	TBLASTX:Maize
Start	229	End	10597
GI	none	Score	58
Exons	229..312, 281..313, 309..434, 313..444, 7109..7162, 7114..7158, 7190..7363, 7198..7356, 9914..10099, 9914..10069, 9916..10116, 10363..10464, 10376..10522, 10377..10478, 10379..10519, 10541..10597		

Seq. No.	32040	Seq. ID	OJ991118_16.0112.C16
Gene No.	66276	Strand	-
Start	14209	End	14559
Name	OJ991118_16.0112.C16.o1.ts	Method	TBLASTX:Soybean
Start	269	End	10525
GI	none	Score	53
Exons	269..313, 309..425, 313..444, 5668..5862, 7088..7162, 7201..7362, 7202..7363, 9914..10003, 10379..10525		

Seq. No.	32040	Seq. ID	OJ991118_16.0112.C16
Gene No.	66276	Strand	-
Start	14209	End	14559
Name	OJ991118_16.0112.C16.o1.tm	Method	TBLASTX:Maize
Start	5590	End	5859
GI	none	Score	87

Exons	5590..5676, 5595..5675, 5686..5850, 5686..5859		
Seq. No.	32040	Seq. ID	OJ991118_16.0112.C16
Gene No.	66276	Strand	-
Start	14209	End	14559
Name	OJ991118_16.0112.C16.o1.tc	Method	TBLASTX:Cress
Start	5673	End	10063
GI	none	Score	197
Exons	5673..5756, 5674..5874, 7103..7141, 7238..7372, 7240..7356, 9851..10063		
Seq. No.	32040	Seq. ID	OJ991118_16.0112.C16
Gene No.	66276	Strand	-
Start	14209	End	14559
Name	OJ991118_16.0112.C16.o2.gs	Method	GENSCAN
Start	14209	End	14559
GI	none	Score	.59
Exons	14209..14559		
Seq. No.	32041	Seq. ID	OJ991118_16.0112.C17
Gene No.	66277	Strand	-
Start	84	End	205
Name	OJ991118_16.0112.C17.o1.gs	Method	GENSCAN
Start	84	End	205
GI	none	Score	.71
Exons	84..205		
Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66278	Strand	+
Start	952	End	3325
Name	OJ991118_16.0112.C18.o1.gp	Method	AAT/GAP
Start	952	End	2388
GI	uC-osflcyp023b05b1	Score	840
Exons	952..1347, 2347..2388		
GI Descrip.	'2792155/emb|CAA11226| 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]'		
Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66278	Strand	+
Start	952	End	3325
Name	OJ991118_16.0112.C18.o1.gs	Method	GENSCAN
Start	992	End	3325
GI	none	Score	.93
Exons	992..1347, 2347..2593, 2711..2890, 3080..3325		
Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66278	Strand	+
Start	952	End	3325
Name	OJ991118_16.0112.C18.o1.np	Method	AAT/NAP
Start	1022	End	3298
GI	6478216	Score	775
Exons	1022..1347, 2347..2593, 2711..2890, 3080..3298		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		
Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66279	Strand	+

Start	4350	End	10198
Name	OJ991118_16.0112.C18.o3.np	Method	AAT/NAP
Start	4350	End	10198
GI	3297821	Score	95
Exons	4350..4381, 4700..4853, 7601..7718, 8155..8670, 10160..10198		
GI Descrip.	(AL031032) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66279	Strand	+
Start	4350	End	10198
Name	OJ991118_16.0112.C18.o3.gs	Method	GENSCAN
Start	8162	End	8526
GI	none	Score	.59
Exons	8162..8385, 8391..8526		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o2.tm	Method	TBLASTX:Maize
Start	1051	End	1306
GI	none	Score	280
Exons	1051..1095, 1052..1306, 1126..1302, 1214..1303		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o3.tc	Method	TBLASTX:Cress
Start	1070	End	2854
GI	none	Score	51
Exons	1070..1123, 1120..1350, 1124..1342, 2345..2383, 2479..2598, 2480..2596, 2672..2854, 2710..2853		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o3.ts	Method	TBLASTX:Soybean
Start	1070	End	3226
GI	none	Score	240
Exons	1070..1099, 1129..1329, 1130..1360, 2345..2395, 2426..2596, 2440..2601, 2708..2797, 2734..2796, 2806..2889, 2807..2893, 3077..3226		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o4.tm	Method	TBLASTX:Maize
Start	2348	End	3298
GI	none	Score	83
Exons	2348..2419, 2423..2596, 2425..2598, 2472..2606, 2672..2893, 2710..2904, 3077..3235, 3077..3199, 3242..3298		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o2.np	Method	AAT/NAP
Start	3675	End	7066
GI	4406778	Score	3332

Exons	3675..7066
GI Descrip.	(AC006532) putative receptor protein kinase [Arabidopsis thaliana]

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o2.gs	Method	GENSCAN
Start	3689	End	7021
GI	none	Score	1
Exons	3689..7021		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o1.tm	Method	TBLASTX:Maize
Start	3713	End	4442
GI	none	Score	278
Exons	3713..3817, 3890..3916, 3908..4261, 3909..4244, 4292..4441, 4293..4442		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o1.ts	Method	TBLASTX:Soybean
Start	3713	End	4621
GI	none	Score	297
Exons	3713..3817, 3890..4279, 3891..4241, 4292..4621, 4293..4616		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o2.tc	Method	TBLASTX:Cress
Start	3926	End	6622
GI	none	Score	70
Exons	3926..4051, 4916..5047, 4967..5239, 4976..5284, 4976..5248, 4976..5257, 4979..5278, 4979..5248, 4979..5233, 4979..5101, 4979..5242, 4982..5257, 4982..5245, 5049..5201, 5102..5242, 5106..5201, 5126..5281, 5171..5239, 5456..5950, 5456..5941, 5456..5728, 5459..5953, 5459..5953, 5459..5947, 5459..5590, 5468..5776, 5471..5653, 5474..5950, 5474..5848, 5493..5723, 5502..5627, 5531..5956, 5597..5950, 5618..5941, 5625..5849, 5733..5927, 5969..6151, 5969..6151, 5969..6115, 5969..6151, 5969..6145, 5978..6151, 5978..6115, 5987..6133, 6116..6247, 6116..6244, 6119..6235, 6125..6235, 6125..6229, 6128..6247, 6240..6359, 6242..6466, 6260..6313, 6263..6406, 6276..6470, 6368..6490, 6368..6469, 6368..6457, 6368..6466, 6417..6464, 6482..6595, 6491..6607, 6524..6622		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o1.tw	Method	TBLASTX:Wheat
Start	3938	End	4261
GI	none	Score	57
Exons	3938..4057, 3969..4058, 4067..4261, 4101..4247		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o1.tc	Method	TBLASTX:Cress
Start	4101	End	4586
GI	none	Score	129
Exons	4101..4247, 4103..4279, 4292..4564, 4293..4586		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o3.tw	Method	TBLASTX:Wheat
Start	4347	End	4594
GI	none	Score	132
Exons	4347..4574, 4364..4594		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o3.tm	Method	TBLASTX:Maize
Start	4893	End	6467
GI	none	Score	108
Exons	4893..5198, 4895..5284, 4979..5170, 4980..5162, 5471..5668, 5543..5854, 5618..5956, 5687..5950, 5688..5915, 5969..6103, 6110..6229, 6260..6298, 6266..6313, 6273..6467, 6275..6466, 6276..6431, 6368..6466		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o2.tw	Method	TBLASTX:Wheat
Start	4976	End	6541
GI	none	Score	65
Exons	4976..5170, 4979..5116, 5060..5347, 5126..5263, 5126..5242, 5459..5536, 5474..5668, 5493..5630, 5546..5698, 5618..5824, 5625..5771, 5762..5914, 5763..5915, 5834..5950, 6000..6134, 6065..6265, 6125..6208, 6134..6244, 6278..6541, 6368..6430		

Seq. No.	32042	Seq. ID	OJ991118_16.0112.C18
Gene No.	66280	Strand	-
Start	3689	End	7066
Name	OJ991118_16.0112.C18.o2.ts	Method	TBLASTX:Soybean
Start	4979	End	6490
GI	none	Score	72
Exons	4979..5278, 4979..5248, 4979..5242, 4979..5248, 4979..5233, 4979..5179, 4982..5278, 5049..5201, 5456..5950, 5456..5878, 5459..5953, 5459..5947, 5459..5599, 5474..5950, 5496..5627, 5514..5648, 5618..5953, 5733..5921, 5945..6115, 5957..6148, 5963..6151, 5969..6145, 5987..6133, 6071..6235, 6116..6247, 6122..6247, 6122..6250, 6125..6259, 6125..6235, 6260..6313, 6263..6298, 6263..6316, 6264..6446, 6368..6490, 6368..6478, 6368..6457		

Seq. No.	32043	Seq. ID	OJ991118_16.0112.C19
Gene No.	66281	Strand	-
Start	1628	End	1922
Name	OJ991118_16.0112.C19.o1.gp	Method	AAT/GAP

Start	1628	End	1922
GI	LIB3432-016-P1-K1-B4	Score	446
Exons	1628..1922		
GI Descrip.	'671740/emb|CAA59218| 3.0e-26 (X84730) ribulose-bisphosphate carboxylase [synthetic construct]'		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66282	Strand	+
Start	875	End	3518
Name	OJ991118_13.0111.C2.o1.gp	Method	AAT/GAP
Start	875	End	3518
GI	3923_1.R1084	Score	2640
Exons	875..1000, 1677..1878, 1953..2100, 2560..3470, 3496..3518		
GI Descrip.	'4263784/gb|AAD15444| 2.0e-93 (AC006068) putative glycogenin-2 protein [Arabidopsis thaliana]'		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66283	Strand	+
Start	9073	End	9353
Name	OJ991118_13.0111.C2.o2.gp	Method	AAT/GAP
Start	9073	End	9353
GI	LIB3475-004-P1-K2-A5	Score	412
Exons	9073..9353		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66284	Strand	+
Start	9590	End	9837
Name	OJ991118_13.0111.C2.o3.gp	Method	AAT/GAP
Start	9590	End	9837
GI	LIB3475-004-P1-K2-A5	Score	394
Exons	9590..9837		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66285	Strand	+
Start	18726	End	18869
Name	OJ991118_13.0111.C2.o4.gp	Method	AAT/GAP
Start	18726	End	18869
GI	LIB3431-027-P1-K1-D5	Score	247
Exons	18726..18869		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66286	Strand	+
Start	20442	End	20693
Name	OJ991118_13.0111.C2.o6.gp	Method	AAT/GAP
Start	20442	End	20693
GI	none	Score	484
Exons	20442..20693		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66287	Strand	+
Start	20898	End	21427

Name	OJ991118_13.0111.C2.o7.gp	Method	AAT/GAP
Start	20898	End	21427
GI	5667374	Score	1024
Exons	20898..21427		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o3.tm	Method	TBLASTX:Maize
Start	740	End	2038
GI	none	Score	422
Exons	740..1000, 746..1000, 1661..1876, 1672..1899, 1674..1877, 1678..1881, 1953..2003, 1954..2037, 1955..2038		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o1.tw	Method	TBLASTX:Wheat
Start	944	End	2029
GI	none	Score	83
Exons	944..1000, 946..996, 1674..1877, 1676..1879, 1676..1873, 1684..1881, 1945..2007, 1954..2028, 1955..2029		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o2.ts	Method	TBLASTX:Soybean
Start	1667	End	2079
GI	none	Score	318
Exons	1667..1876, 1677..1877, 1696..1881, 1954..2079, 1955..2077		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o2.tc	Method	TBLASTX:Cress
Start	1800	End	2692
GI	none	Score	79
Exons	1800..1877, 1952..2053, 1954..2103, 1955..2101, 2560..2661, 2561..2692		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o1.tm	Method	TBLASTX:Maize
Start	2532	End	3124
GI	none	Score	869
Exons	2532..2840, 2536..3123, 2537..3124, 2537..3124		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o3.ts	Method	TBLASTX:Soybean
Start	2560	End	3043
GI	none	Score	134
Exons	2560..2664, 2561..2692, 2666..2791, 2783..3043, 2788..3009		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2

Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o7.tm	Method	TBLASTX:Maize
Start	9129	End	9826
GI	none	Score	63
Exons	9129..9188, 9142..9189, 9202..9258, 9204..9254, 9205..9264, 9236..9373, 9246..9377, 9248..9352, 9249..9374, 9262..9378, 9621..9743, 9621..9743, 9623..9745, 9635..9751, 9723..9800, 9736..9816, 9739..9825, 9749..9826		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o3.tc	Method	TBLASTX:Cress
Start	14996	End	15379
GI	none	Score	90
Exons	14996..15145, 15232..15378, 15233..15379		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o6.tm	Method	TBLASTX:Maize
Start	14998	End	15274
GI	none	Score	202
Exons	14998..15138, 14999..15148, 15020..15151, 15229..15273, 15236..15274		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o4.ts	Method	TBLASTX:Soybean
Start	15020	End	16290
GI	none	Score	93
Exons	15020..15145, 15236..15283, 15870..16061, 15871..16095, 16117..16194, 16204..16290		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o2.tw	Method	TBLASTX:Wheat
Start	15035	End	16194
GI	none	Score	102
Exons	15035..15145, 15035..15127, 15233..15424, 15859..16134, 15870..16133, 16153..16194		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o2.tm	Method	TBLASTX:Maize
Start	15478	End	16298
GI	none	Score	70
Exons	15478..15609, 15859..16293, 15870..16298		

Seq. No.	32044	Seq. ID	OJ991118 13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o1.tc	Method	TBLASTX:Cress

Start	15849	End	16280
GI	none	Score	506
Exons	15849..16175, 15859..16182, 15871..15978, 16141..16278, 16212..16280		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o5.tm	Method	TBLASTX:Maize
Start	16430	End	16674
GI	none	Score	286
Exons	16430..16594, 16431..16595, 16618..16674		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66288	Strand	-
Start	19354	End	19431
Name	OJ991118_13.0111.C2.o5.gp	Method	AAT/GAP
Start	19354	End	19431
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	19354..19431		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66289	Strand	
Start	21523	End	29068
Name	OJ991118_13.0111.C2.o8.tm	Method	TBLASTX:Maize
Start	21523	End	29068
GI	none	Score	172
Exons	21523..21633, 21527..21634, 21530..21634, 21534..21641, 21802..21927, 21803..21913, 22058..22159, 22061..22156, 22398..22511, 22413..22511, 22415..22528, 22420..22536, 28225..28317, 28395..28514, 28403..28510, 28970..29068		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66290	Strand	
Start	31480	End	32367
Name	OJ991118_13.0111.C2.o4.tm	Method	TBLASTX:Maize
Start	31480	End	31824
GI	none	Score	365
Exons	31480..31590, 31567..31821, 31568..31822, 31574..31822, 31594..31824		

Seq. No.	32044	Seq. ID	OJ991118_13.0111.C2
Gene No.	66290	Strand	
Start	31480	End	32367
Name	OJ991118_13.0111.C2.o1.ts	Method	TBLASTX:Soybean
Start	31702	End	32367
GI	none	Score	190
Exons	31702..32367, 31703..31936, 32003..32272		

Seq. No.	32045	Seq. ID	OJ991118_13.0111.C3
Gene No.	66291	Strand	+
Start	8834	End	9502
Name	OJ991118_13.0111.C3.o2.gp	Method	AAT/GAP
Start	8834	End	9502

GI	5803303	Score	1252
Exons	8834..9502		

Seq. No.	32045	Seq. ID	OJ991118_13.0111.C3
Gene No.	66292	Strand	-
Start	5911	End	8687
Name	OJ991118_13.0111.C3.o2.ts	Method	TBLASTX:Soybean
Start	4630	End	4839
GI	none	Score	195
Exons	4630..4839		

Seq. No.	32045	Seq. ID	OJ991118_13.0111.C3
Gene No.	66292	Strand	-
Start	5911	End	8687
Name	OJ991118_13.0111.C3.o1.tm	Method	TBLASTX:Maize
Start	4636	End	8465
GI	none	Score	168
Exons	4636..4755, 4714..4845, 5110..5196, 5203..5262, 7776..8270, 8253..8465		

Seq. No.	32045	Seq. ID	OJ991118_13.0111.C3
Gene No.	66292	Strand	-
Start	5911	End	8687
Name	OJ991118_13.0111.C3.o1.gp	Method	AAT/GAP
Start	5911	End	6072
GI	5667165	Score	286
Exons	5911..6072		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	32045	Seq. ID	OJ991118_13.0111.C3
Gene No.	66292	Strand	-
Start	5911	End	8687
Name	OJ991118_13.0111.C3.o1.ts	Method	TBLASTX:Soybean
Start	8214	End	8681
GI	none	Score	118
Exons	8214..8486, 8499..8681		

Seq. No.	32045	Seq. ID	OJ991118_13.0111.C3
Gene No.	66292	Strand	-
Start	5911	End	8687
Name	OJ991118_13.0111.C3.o2.tm	Method	TBLASTX:Maize
Start	8475	End	8687
GI	none	Score	80
Exons	8475..8687, 8517..8687		

Seq. No.	32045	Seq. ID	OJ991118_13.0111.C3
Gene No.	66293	Strand	
Start	13791	End	23714
Name	OJ991118_13.0111.C3.o3.ts	Method	TBLASTX:Soybean
Start	13791	End	23714
GI	none	Score	58
Exons	13791..13850, 13792..13851, 13908..13985, 13914..13982, 13921..13983, 14106..14177, 14118..14186, 14298..14405, 14403..14504, 14625..14708, 22523..22636, 22562..22630, 22571..22630, 22901..22972, 22901..22966, 23642..23713, 23642..23704, 23646..23714		

Seq. No.	32045	Seq. ID	OJ991118_13.0111.C3
Gene No.	66294	Strand	
Start	27600	End	28100
Name	OJ991118_13.0111.C3.o1.tc	Method	TBLASTX:Cress
Start	27600	End	28100
GI	none	Score	56
Exons	27600..27818, 27858..27938, 28017..28100		

Seq. No.	32046	Seq. ID	OJ991118_13.0111.C11
Gene No.	66295	Strand	
Start	1177	End	1362
Name	OJ991118_13.0111.C11.o1.tw	Method	TBLASTX:Wheat
Start	1177	End	1362
GI	none	Score	328
Exons	1177..1362, 1179..1361		

Seq. No.	32047	Seq. ID	OJ991118_13.0111.C14
Gene No.	66296	Strand	-
Start	340	End	712
Name	OJ991118_13.0111.C14.o1.gp	Method	AAT/GAP
Start	340	End	712
GI	uC-osf1cyp033a04b1	Score	506
Exons	340..712		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32048	Seq. ID	OJ991118_13.0111.C15
Gene No.	66297	Strand	
Start	58	End	203
Name	OJ991118_13.0111.C15.o1.tm	Method	TBLASTX:Maize
Start	58	End	203
GI	none	Score	158
Exons	58..147, 59..145, 120..203, 142..201		

Seq. No.	32048	Seq. ID	OJ991118_13.0111.C15
Gene No.	66298	Strand	
Start	285	End	958
Name	OJ991118_13.0111.C15.o2.tm	Method	TBLASTX:Maize
Start	285	End	638
GI	none	Score	92
Exons	285..530, 313..528, 549..638		

Seq. No.	32048	Seq. ID	OJ991118_13.0111.C15
Gene No.	66298	Strand	
Start	285	End	958
Name	OJ991118_13.0111.C15.o1.ts	Method	TBLASTX:Soybean
Start	288	End	958
GI	none	Score	96
Exons	288..530, 358..531, 549..656, 728..958, 736..936		

Seq. No.	32048	Seq. ID	OJ991118_13.0111.C15
Gene No.	66298	Strand	
Start	285	End	958
Name	OJ991118_13.0111.C15.o1.tw	Method	TBLASTX:Wheat
Start	488	End	910
GI	none	Score	43

Exons	488..514, 489..515, 514..543, 539..643, 543..653, 544..654, 598..654, 649..720, 651..707, 708..767, 711..767, 753..827, 769..828, 769..837, 800..910, 819..908, 826..909		

Seq. No.	32048	Seq. ID	OJ991118_13.0111.C15
Gene No.	66299	Strand	
Start	1713	End	2019
Name	OJ991118_13.0111.C15.o1.tc	Method	TBLASTX:Cress
Start	1713	End	2019
GI	none	Score	271
Exons	1713..1865, 1714..1896, 1715..1897, 1715..1897, 1877..1930, 1880..1930, 1897..1929, 1899..1943, 1908..1961, 1910..2002, 1911..2012, 1936..2010, 2005..2019		

Seq. No.	32049	Seq. ID	OJ991118_13.0111.C21
Gene No.	66300	Strand	+
Start	1099	End	1915
Name	OJ991118_13.0111.C21.o1.gp	Method	AAT/GAP
Start	1099	End	1915
GI	2721_1.R1084	Score	407
Exons	1099..1136, 1655..1915		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	32049	Seq. ID	OJ991118_13.0111.C21
Gene No.	66300	Strand	+
Start	1099	End	1915
Name	OJ991118_13.0111.C21.o1.tm	Method	TBLASTX:Maize
Start	1652	End	1915
GI	none	Score	144
Exons	1652..1753, 1654..1782, 1655..1768, 1656..1781, 1752..1796, 1755..1820, 1803..1865, 1803..1847, 1805..1867, 1843..1866, 1854..1913, 1855..1914, 1856..1915		

Seq. No.	32050	Seq. ID	OJ991118_13.0111.C23
Gene No.	66301	Strand	
Start	810	End	1029
Name	OJ991118_13.0111.C23.o1.tw	Method	TBLASTX:Wheat
Start	810	End	1029
GI	none	Score	172
Exons	810..926, 825..926, 826..987, 827..943, 929..979, 930..986, 977..1027, 978..1028, 978..1028, 979..1029		

Seq. No.	32051	Seq. ID	OJ991118_13.0111.C24
Gene No.	66302	Strand	
Start	2	End	257
Name	OJ991118_13.0111.C24.o1.tc	Method	TBLASTX:Cress
Start	2	End	257
GI	none	Score	227
Exons	2..223, 3..257		

Seq. No.	32052	Seq. ID	OJ991118_13.0111.C25
Gene No.	66303	Strand	+
Start	3882	End	4266

Name	OJ991118_13.0111.C25.o4.tw	Method	TBLASTX:Wheat
Start	2	End	206
GI	none	Score	314
Exons	2..205, 3..206		

Seq. No.	32052	Seq. ID	OJ991118_13.0111.C25
Gene No.	66303	Strand	+
Start	3882	End	4266
Name	OJ991118_13.0111.C25.o3.tm	Method	TBLASTX:Maize
Start	5	End	227
GI	none	Score	283
Exons	5..214, 6..218, 6..227		

Seq. No.	32052	Seq. ID	OJ991118_13.0111.C25
Gene No.	66303	Strand	+
Start	3882	End	4266
Name	OJ991118_13.0111.C25.o1.tw	Method	TBLASTX:Wheat
Start	207	End	785
GI	none	Score	649
Exons	207..785, 218..781, 321..785		

Seq. No.	32052	Seq. ID	OJ991118_13.0111.C25
Gene No.	66303	Strand	+
Start	3882	End	4266
Name	OJ991118_13.0111.C25.o1.tc	Method	TBLASTX:Cress
Start	492	End	809
GI	none	Score	87
Exons	492..656, 666..809, 668..808		

Seq. No.	32052	Seq. ID	OJ991118_13.0111.C25
Gene No.	66303	Strand	+
Start	3882	End	4266
Name	OJ991118_13.0111.C25.o1.ts	Method	TBLASTX:Soybean
Start	573	End	833
GI	none	Score	294
Exons	573..833, 578..832		

Seq. No.	32052	Seq. ID	OJ991118_13.0111.C25
Gene No.	66303	Strand	+
Start	3882	End	4266
Name	OJ991118_13.0111.C25.o2.tm	Method	TBLASTX:Maize
Start	632	End	923
GI	none	Score	367
Exons	632..919, 633..923		

Seq. No.	32052	Seq. ID	OJ991118_13.0111.C25
Gene No.	66303	Strand	+
Start	3882	End	4266
Name	OJ991118_13.0111.C25.o2.tw	Method	TBLASTX:Wheat
Start	792	End	1417
GI	none	Score	232
Exons	792..1007, 848..991, 965..1417, 1007..1132, 1017..1184, 1054..1305, 1292..1414		

Seq. No.	32052	Seq. ID	OJ991118_13.0111.C25
Gene No.	66303	Strand	+
Start	3882	End	4266

Name	OJ991118_13.0111.C25.o1.tm	Method	TBLASTX:Maize
Start	972	End	1570
GI	none	Score	64
Exons	972..1010, 974..1132, 1012..1125, 1130..1570, 1132..1554		

Seq. No.	32052	Seq. ID	OJ991118_13.0111.C25
Gene No.	66303	Strand	+
Start	3882	End	4266
Name	OJ991118_13.0111.C25.o3.tw	Method	TBLASTX:Wheat
Start	1417	End	1750
GI	none	Score	326
Exons	1417..1686, 1418..1750, 1421..1729		

Seq. No.	32052	Seq. ID	OJ991118_13.0111.C25
Gene No.	66303	Strand	+
Start	3882	End	4266
Name	OJ991118_13.0111.C25.o1.gp	Method	AAT/GAP
Start	3882	End	4266
GI	uC-osflcyp033a04b1	Score	608
Exons	3882..4266		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32053	Seq. ID	OJ991118_13.0111.C30
Gene No.	66304	Strand	+
Start	1	End	117
Name	OJ991118_13.0111.C30.o1.gp	Method	AAT/GAP
Start	1	End	117
GI	uC-osflcyp099d06b1	Score	186
Exons	1..117		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	32054	Seq. ID	OJ991118_13.0111.C37
Gene No.	66305	Strand	
Start	1	End	338
Name	OJ991118_13.0111.C37.o1.ts	Method	TBLASTX:Soybean
Start	1	End	338
GI	4397510	Score	337
Exons	1..240, 1..264, 2..277, 3..338, 253..333, 254..334		
GI Descrip.	2147784/pir__S71081 4.0e-53 NADH dehydrogenase chain 3 - onion mitochondrion >gi_1518344_emb_CAA89850_ (Z49772) NADH dehydrogenase subunit 3 [Allium cepa]		

Seq. No.	32054	Seq. ID	OJ991118_13.0111.C37
Gene No.	66306	Strand	
Start	281	End	666
Name	OJ991118_13.0111.C37.o1.tm	Method	TBLASTX:Maize
Start	281	End	660
GI	none	Score	366
Exons	281..649, 358..660		

Seq. No.	32054	Seq. ID	OJ991118_13.0111.C37
Gene No.	66306	Strand	
Start	281	End	666
Name	OJ991118_13.0111.C37.o1.tc	Method	TBLASTX:Cress
Start	293	End	655

GI	none	Score	370
Exons	293..655, 358..654		
Seq. No.	32054	Seq. ID	OJ991118_13.0111.C37
Gene No.	66306	Strand	
Start	281	End	666
Name	OJ991118_13.0111.C37.o1.tw	Method	TBLASTX:Wheat
Start	391	End	666
GI	none	Score	286
Exons	391..666, 392..649, 471..647		
Seq. No.	32055	Seq. ID	OJ991118_13.0111.C40
Gene No.	66307	Strand	
Start	342	End	475
Name	OJ991118_13.0111.C40.o1.tc	Method	TBLASTX:Cress
Start	342	End	475
GI	none	Score	110
Exons	342..404, 343..417, 343..414, 403..468, 403..471, 407..472, 407..475		
Seq. No.	32056	Seq. ID	OJ991118_13.0111.C46
Gene No.	66308	Strand	
Start	379	End	546
Name	OJ991118_13.0111.C46.o1.tm	Method	TBLASTX:Maize
Start	379	End	546
GI	none	Score	277
Exons	379..546, 381..509, 382..546		
Seq. No.	32057	Seq. ID	OJ991118_13.0111.C53
Gene No.	66309	Strand	-
Start	361	End	635
Name	OJ991118_13.0111.C53.o1.gp	Method	AAT/GAP
Start	361	End	635
GI	uC-osflcyp099h10a1	Score	443
Exons	361..635		
GI Descrip.	'769724/dbj|BAA06828.1| 3.0e-27 (D32052) ORF92B [Oryza sativa]'		
Seq. No.	32058	Seq. ID	OJ991118_13.0111.C57
Gene No.	66310	Strand	-
Start	1	End	121
Name	OJ991118_13.0111.C57.o1.gp	Method	AAT/GAP
Start	1	End	121
GI	LIB3477-003-P1-K1-E9	Score	159
Exons	1..121		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	32059	Seq. ID	OJ991208_15.0103.C1
Gene No.	66311	Strand	-
Start	1	End	673
Name	OJ991208_15.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	673
GI	479357	Score	416
Exons	1..479, 573..673		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	32059	Seq. ID	OJ991208_15.0103.C1
Gene No.	66311	Strand	-
Start	1	End	673
Name	OJ991208_15.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	85	End	482
GI	none	Score	123
Exons	85..138, 117..482, 130..294, 185..385, 354..473		

Seq. No.	32059	Seq. ID	OJ991208_15.0103.C1
Gene No.	66311	Strand	-
Start	1	End	673
Name	OJ991208_15.0103.C1.o1.gs	Method	GENSCAN
Start	341	End	422
GI	none	Score	.4
Exons	341..422		

Seq. No.	32060	Seq. ID	OJ991208_15.0103.C2
Gene No.	66312	Strand	+
Start	111	End	631
Name	OJ991208_15.0103.C2.o1.gs	Method	GENSCAN
Start	111	End	631
GI	none	Score	.46
Exons	111..264, 311..463, 549..631		

Seq. No.	32060	Seq. ID	OJ991208_15.0103.C2
Gene No.	66313	Strand	-
Start	1	End	3916
Name	OJ991208_15.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	3916
GI	4539658	Score	53
Exons	1..44, 2459..2592, 3863..3916		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	32060	Seq. ID	OJ991208_15.0103.C2
Gene No.	66313	Strand	-
Start	1	End	3916
Name	OJ991208_15.0103.C2.o2.gs	Method	GENSCAN
Start	2719	End	3784
GI	none	Score	.77
Exons	2719..2871, 2948..3214, 3728..3784		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66314	Strand	+
Start	3126	End	4543
Name	OJ991208_15.0103.C3.o2.gs	Method	GENSCAN
Start	3126	End	4543
GI	none	Score	.81
Exons	3126..3458, 4354..4467, 4520..4543		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66315	Strand	+
Start	5261	End	5715
Name	OJ991208_15.0103.C3.o1.gp	Method	AAT/GAP
Start	5261	End	5715
GI	36280_1.R1084	Score	862

Exons	5261..5715		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		
Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66316	Strand	+
Start	7406	End	7841
Name	OJ991208_15.0103.C3.o3.gp	Method	AAT/GAP
Start	7406	End	7841
GI	uC-osf1M2020118f01a1	Score	809
Exons	7406..7841		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		
Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66317	Strand	+
Start	9896	End	10223
Name	OJ991208_15.0103.C3.o4.gp	Method	AAT/GAP
Start	9896	End	10223
GI	86158_1.R1084	Score	397
Exons	9896..10024, 10049..10223		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		
Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66318	Strand	+
Start	11283	End	13417
Name	OJ991208_15.0103.C3.o4.gs	Method	GENSCAN
Start	11283	End	13417
GI	none	Score	.87
Exons	11283..11384, 12172..12291, 13394..13417		
Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66318	Strand	+
Start	11283	End	13417
Name	OJ991208_15.0103.C3.o6.gp	Method	AAT/GAP
Start	12825	End	12977
GI	2798111	Score	306
Exons	12825..12977		
Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66319	Strand	-
Start	1	End	478
Name	OJ991208_15.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	478
GI	1169798	Score	83
Exons	1..25, 192..272, 346..478		
GI Descrip.	GLUCOSE-6-PHOSPHATE ISOMERASE, CYTOSOLIC B (GPI-B) (PHOSPHOGLUCOSE ISOMERASE B) (PGI-B) (PHOSPHOHEXOSE ISOMERASE B) (PHI-B) gi|639686|dbj|BAA08149| (D45218) phosphoglucose isomerase (Pgi-b) [Oryza sativa]		
Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3

Gene No.	66320	Strand	-
Start	1835	End	2580
Name	OJ991208_15.0103.C3.o1.gs	Method	GENSCAN
Start	1835	End	2580
GI	none	Score	.56
Exons	1835..1840, 2233..2466, 2515..2580		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66321	Strand	-
Start	4884	End	9686
Name	OJ991208_15.0103.C3.o3.gs	Method	GENSCAN
Start	4884	End	9686
GI	none	Score	.51
Exons	4884..5456, 5499..9686		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66321	Strand	-
Start	4884	End	9686
Name	OJ991208_15.0103.C3.o2.np	Method	AAT/NAP
Start	4887	End	9686
GI	5295971	Score	8114
Exons	4887..9686		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66321	Strand	-
Start	4884	End	9686
Name	OJ991208_15.0103.C3.o2.gp	Method	AAT/GAP
Start	7042	End	7397
GI	uC-osf1cyp139c12a1	Score	589
Exons	7042..7397		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66322	Strand	-
Start	10687	End	11109
Name	OJ991208_15.0103.C3.o5.gp	Method	AAT/GAP
Start	10687	End	11109
GI	none	Score	817
Exons	10687..11109		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o6.tm	Method	TBLASTX:Maize
Start	3128	End	12884
GI	none	Score	125
Exons	3128..3295, 3129..3290, 3235..3291, 3398..3457, 3398..3454, 3417..3461, 4350..4460, 4354..4464, 4356..4463, 10357..10425, 10358..10426, 10362..10427, 10364..10441, 10463..10621, 10512..10619, 10513..10623, 10717..10797, 10719..10796, 11282..11392, 11283..11399, 11517..11639, 11521..11637,		

11522..11638, 11700..11795, 11711..11794, 11716..11796,
12168..12290, 12169..12294, 12638..12739, 12638..12739,
12639..12740, 12813..12884, 12817..12882

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o5.ts	Method	TBLASTX:Soybean
Start	3218	End	10803
GI	none	Score	85
Exons	3218..3289, 3219..3290, 3401..3454, 3417..3461, 4351..4467, 4362..4463, 4371..4469, 10355..10426, 10357..10422, 10513..10623, 10513..10629, 10717..10803, 10719..10799		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o4.ts	Method	TBLASTX:Soybean
Start	4911	End	5561
GI	none	Score	56
Exons	4911..5144, 5044..5130, 5199..5387, 5227..5388, 5400..5561		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	4920	End	5582
GI	none	Score	89
Exons	4920..5138, 4924..5130, 5205..5285, 5209..5286, 5295..5582, 5296..5388, 5410..5520		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o5.tm	Method	TBLASTX:Maize
Start	4921	End	5310
GI	none	Score	342
Exons	4921..5307, 4923..5228, 4923..5309, 5045..5278, 5203..5310		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o5.tw	Method	TBLASTX:Wheat
Start	4950	End	5369
GI	none	Score	63
Exons	4950..5153, 4963..5130, 5199..5369, 5209..5286		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o10.tm	Method	TBLASTX:Maize
Start	5316	End	5495
GI	none	Score	122
Exons	5316..5495, 5317..5493		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-

Start	13733	End	15040
Name	OJ991208_15.0103.C3.o6.tw	Method	TBLASTX:Wheat
Start	5403	End	5714
GI	none	Score	64
Exons	5403..5582, 5607..5714		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o4.tm	Method	TBLASTX:Maize
Start	5497	End	5888
GI	none	Score	459
Exons	5497..5886, 5499..5888, 5499..5888		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o2.tw	Method	TBLASTX:Wheat
Start	5715	End	6267
GI	none	Score	80
Exons	5715..5939, 5925..6155, 5949..6116, 6138..6266, 6178..6267		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o3.ts	Method	TBLASTX:Soybean
Start	5940	End	6434
GI	5509260	Score	130
Exons	5940..6155, 5959..6117, 6150..6434, 6178..6354		
GI Descrip.	-		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o4.tc	Method	TBLASTX:Cress
Start	6051	End	6312
GI	none	Score	91
Exons	6051..6155, 6138..6311, 6181..6312		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o8.tm	Method	TBLASTX:Maize
Start	6090	End	6383
GI	none	Score	48
Exons	6090..6155, 6091..6132, 6093..6155, 6132..6383, 6178..6357, 6245..6376		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o2.ts	Method	TBLASTX:Soybean
Start	6885	End	7364
GI	none	Score	66
Exons	6885..7031, 7056..7364, 7068..7328, 7069..7359		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3

Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o3.tc	Method	TBLASTX:Cress
Start	6909	End	7349
GI	none	Score	60
Exons	6909..7031, 7053..7349, 7063..7209, 7267..7299		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	6969	End	7395
GI	none	Score	538
Exons	6969..7364, 6969..7391, 6970..7395		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o4.tw	Method	TBLASTX:Wheat
Start	7047	End	7598
GI	none	Score	42
Exons	7047..7127, 7060..7131, 7134..7400, 7234..7383, 7458..7598		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o6.ts	Method	TBLASTX:Soybean
Start	7458	End	7733
GI	none	Score	194
Exons	7458..7733, 7557..7637		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	7671	End	8124
GI	none	Score	53
Exons	7671..7763, 7671..7751, 7731..8120, 7758..8123, 7819..8124		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o9.tm	Method	TBLASTX:Maize
Start	7794	End	8034
GI	none	Score	262
Exons	7794..8033, 7795..8034		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	8049	End	8768
GI	none	Score	417
Exons	8049..8474, 8049..8414, 8150..8473, 8479..8511, 8481..8576, 8493..8768, 8494..8751		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3

Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o7.tm	Method	TBLASTX:Maize
Start	9003	End	9294
GI	none	Score	215
Exons	9003..9224, 9003..9293, 9079..9294		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o5.tc	Method	TBLASTX:Cress
Start	11319	End	12737
GI	none	Score	45
Exons	11319..11354, 11349..11399, 11517..11639, 11528..11659, 11709..11795, 11711..11794, 12153..12287, 12169..12291, 12641..12703, 12642..12737		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o7.ts	Method	TBLASTX:Soybean
Start	11345	End	11795
GI	none	Score	120
Exons	11345..11395, 11517..11639, 11540..11638, 11709..11795, 11711..11794		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o3.np	Method	AAT/NAP
Start	13730	End	15040
GI	6633989	Score	911
Exons	13730..14350, 14657..15040		
GI Descrip.	(AB036059) cytochrome P450 [Arabidopsis thaliana] gi|6899886|emb|CAB71895.1| (AL138642) cytochrome p450 (CYP78A9) [Arabidopsis thaliana]		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	13733	End	14902
GI	none	Score	191
Exons	13733..13957, 13734..13952, 13943..14233, 13944..14219, 14231..14350, 14232..14351, 14657..14743, 14756..14902, 14763..14897		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o5.gs	Method	GENSCAN
Start	13733	End	14998
GI	none	Score	.62
Exons	13733..14350, 14657..14998		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-

Start	13733	End	15040
Name	OJ991208_15.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	13742	End	15040
GI	none	Score	57
Exons	13742..13816, 13742..13816, 13826..14350, 13830..14351, 14654..14734, 14657..14734, 14724..14897, 14762..14902, 14972..15040		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o3.tw	Method	TBLASTX:Wheat
Start	13742	End	14000
GI	none	Score	134
Exons	13742..13828, 13745..13834, 13816..13866, 13817..13891, 13817..13999, 13827..14000		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o2.tc	Method	TBLASTX:Cress
Start	13814	End	14351
GI	none	Score	67
Exons	13814..13963, 13875..13958, 13985..14119, 14018..14116, 14121..14351, 14132..14350		

Seq. No.	32061	Seq. ID	OJ991208_15.0103.C3
Gene No.	66323	Strand	-
Start	13733	End	15040
Name	OJ991208_15.0103.C3.o7.gp	Method	AAT/GAP
Start	14006	End	14325
GI	LIB3434-042-P1-K1-F4	Score	530
Exons	14006..14325		
GI Descrip.	'3831440 8.0e-28 (AC005819) putative cytochrome P450 [Arabidopsis thaliana] >gi_4415946_gb_AAD20176_ (AC006418) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66324	Strand	+
Start	6116	End	7116
Name	OJ991208_15.0103.C4.o3.gs	Method	GENSCAN
Start	6116	End	7116
GI	none	Score	.95
Exons	6116..6140, 6851..7116		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66325	Strand	+
Start	14700	End	15701
Name	OJ991208_15.0103.C4.o6.gs	Method	GENSCAN
Start	14700	End	15701
GI	none	Score	.79
Exons	14700..15425, 15516..15701		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66325	Strand	+
Start	14700	End	15701
Name	OJ991208_15.0103.C4.o2.np	Method	AAT/NAP

Start	15067	End	15671
GI	6572059	Score	224
Exons	15067..15168, 15375..15425, 15516..15671		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66326	Strand	-
Start	1	End	1144
Name	OJ991208_15.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	426
GI	5921926	Score	249
Exons	1..349, 392..426		
GI Descrip.	CYTOCHROME P450 78A3 gi|2739008|gb|AAB94592| (AF022463) CYP78A3p [Glycine max]		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66326	Strand	-
Start	1	End	1144
Name	OJ991208_15.0103.C4.o1.gs	Method	GENSCAN
Start	61	End	1144
GI	none	Score	.57
Exons	61..362, 401..544, 996..1018, 1020..1144		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66327	Strand	-
Start	3865	End	4903
Name	OJ991208_15.0103.C4.o2.gs	Method	GENSCAN
Start	3865	End	4903
GI	none	Score	.91
Exons	3865..4279, 4887..4903		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66328	Strand	-
Start	7432	End	11162
Name	OJ991208_15.0103.C4.o4.gs	Method	GENSCAN
Start	7432	End	11162
GI	none	Score	.58
Exons	7432..7859, 8753..8810, 10866..10943, 11085..11162		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66329	Strand	-
Start	16917	End	18112
Name	OJ991208_15.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	7	End	348
GI	none	Score	68
Exons	7..117, 8..118, 106..204, 107..205, 226..348, 227..253		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66329	Strand	-
Start	16917	End	18112
Name	OJ991208_15.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	88	End	444
GI	none	Score	144
Exons	88..195, 88..354, 89..328, 241..333, 313..444, 362..412, 381..419		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4

Gene No.	66329	Strand	-
Start	16917	End	18112
Name	OJ991208_15.0103.C4.o7.gs	Method	GENSCAN
Start	16917	End	18031
GI	none	Score	.67
Exons	16917..17644, 17753..17801, 17876..18031		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66329	Strand	-
Start	16917	End	18112
Name	OJ991208_15.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	17034	End	18036
GI	none	Score	130
Exons	17034..17333, 17059..17217, 17476..17682, 17481..17675, 17503..17682, 17753..17806, 17754..17807, 17755..17811, 17876..18022, 17880..18020, 17977..18027, 17980..18036		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66329	Strand	-
Start	16917	End	18112
Name	OJ991208_15.0103.C4.o3.np	Method	AAT/NAP
Start	17055	End	18019
GI	1170089	Score	306
Exons	17055..17336, 17499..17716, 17872..18019		
GI Descrip.	GLUTATHIONE S-TRANSFERASE ERD13 (GST CLASS PHI) gi|481822|pir||S39542 probable glutathione transferase (EC 2.5.1.18) (clone ERD13) - Arabidopsis thaliana gi|497789|dbj|BAA04554| (D17673) glutathione S-transferase [Arabidopsis thaliana] gi|3201614|gb|AAC20721.1| (AC004669) glutathione S-transferase [Arabidopsis thaliana]		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66329	Strand	-
Start	16917	End	18112
Name	OJ991208_15.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	17058	End	17999
GI	none	Score	94
Exons	17058..17267, 17544..17630, 17870..17998, 17880..17999		

Seq. No.	32062	Seq. ID	OJ991208_15.0103.C4
Gene No.	66329	Strand	-
Start	16917	End	18112
Name	OJ991208_15.0103.C4.o1.gp	Method	AAT/GAP
Start	17331	End	18112
GI	21736_1.R1084	Score	1165
Exons	17331..17671, 17753..17801, 17876..18112		
GI Descrip.	'1170088/sp|P46440|GTH2_TOBAC 3.0e-14 GLUTATHIONE S-TRANSFERASE APIC (GST CLASS-PHI) >gi_676880_dbj_BAA06150_ (D29680) The expression is induced by aluminium treatment and Pi starvation. [Nicotiana tabacum] >gi_1094818_prf__2106387B Al-induced protein [Nicotiana tabacum]'		

Seq. No.	32063	Seq. ID	OJ991208_15.0103.C6
Gene No.	66330	Strand	+
Start	1	End	1212
Name	OJ991208_15.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	834

GI	2992160	Score	443
Exons	1..411, 448..644, 744..834		
GI Descrip.	(AB012392) MuDR-like element [Oryza sativa]		

Seq. No.	32063	Seq. ID	OJ991208_15.0103.C6
Gene No.	66330	Strand	+
Start	1	End	1212
Name	OJ991208_15.0103.C6.o1.gs	Method	GENSCAN
Start	112	End	1212
GI	none	Score	.67
Exons	112..404, 477..644, 1140..1212		

Seq. No.	32063	Seq. ID	OJ991208_15.0103.C6
Gene No.	66331	Strand	+
Start	2778	End	4822
Name	OJ991208_15.0103.C6.o1.gp	Method	AAT/GAP
Start	2493	End	4822
GI	28456_1.R1084	Score	1640
Exons	2493..2897, 3687..3884, 4009..4068, 4189..4284, 4375..4399, 4691..4822		
GI Descrip.	'4926867/gb|AAD32947.1|AC007509_2 9.0e-72 (AC007509) serine acetyltransferase (GB:AF112303) [Arabidopsis thaliana]'		

Seq. No.	32063	Seq. ID	OJ991208_15.0103.C6
Gene No.	66331	Strand	+
Start	2778	End	4822
Name	OJ991208_15.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	2612	End	3768
GI	none	Score	73
Exons	2612..2662, 2622..2663, 2622..2669, 2754..2897, 2772..2897, 3680..3766, 3681..3767, 3685..3768		

Seq. No.	32063	Seq. ID	OJ991208_15.0103.C6
Gene No.	66331	Strand	+
Start	2778	End	4822
Name	OJ991208_15.0103.C6.o2.np	Method	AAT/NAP
Start	2747	End	4785
GI	4406384	Score	514
Exons	2747..2897, 3687..3884, 4009..4068, 4189..4284, 4375..4399, 4691..4785		
GI Descrip.	(AF112303) serine acetyltransferase [Arabidopsis thaliana]		

Seq. No.	32063	Seq. ID	OJ991208_15.0103.C6
Gene No.	66331	Strand	+
Start	2778	End	4822
Name	OJ991208_15.0103.C6.o2.gs	Method	GENSCAN
Start	2778	End	4399
GI	none	Score	.76
Exons	2778..2897, 3687..3884, 4084..4284, 4375..4399		

Seq. No.	32063	Seq. ID	OJ991208_15.0103.C6
Gene No.	66331	Strand	+
Start	2778	End	4822
Name	OJ991208_15.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	2838	End	4784
GI	none	Score	63
Exons	2838..2897, 3684..3884, 3684..3884, 3686..3886, 4003..4068,		

4008..4052, 4183..4287, 4188..4286, 4372..4398, 4372..4407,
4669..4782, 4682..4747, 4728..4784

Seq. No.	32063	Seq. ID	OJ991208_15.0103.C6
Gene No.	66331	Strand	+
Start	2778	End	4822
Name	OJ991208_15.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	3684	End	4761
GI	none	Score	252
Exons	3684..3905, 3684..3884, 3686..3919, 4021..4068, 4183..4287, 4186..4287, 4375..4398, 4689..4760, 4690..4761		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66332	Strand	+
Start	498	End	581
Name	OJ991208_15.0103.C7.o1.np	Method	AAT/NAP
Start	498	End	581
GI	3367582	Score	65
Exons	498..581		
GI Descrip.	(AL031135) putative protein [Arabidopsis thaliana]		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66333	Strand	+
Start	3605	End	8234
Name	OJ991208_15.0103.C7.o2.np	Method	AAT/NAP
Start	3458	End	8207
GI	6598797	Score	1651
Exons	3458..3808, 6777..8207		
GI Descrip.	(AF024504) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66333	Strand	+
Start	3605	End	8234
Name	OJ991208_15.0103.C7.o2.gs	Method	GENSCAN
Start	3605	End	4893
GI	none	Score	.54
Exons	3605..3808, 4849..4893		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66333	Strand	+
Start	3605	End	8234
Name	OJ991208_15.0103.C7.o3.gs	Method	GENSCAN
Start	5779	End	8234
GI	none	Score	.75
Exons	5779..5924, 6542..6617, 6777..8234		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66334	Strand	+
Start	10417	End	12160
Name	OJ991208_15.0103.C7.o3.np	Method	AAT/NAP
Start	9386	End	12133
GI	6598797	Score	1712
Exons	9386..9446, 10332..10614, 10706..12133		
GI Descrip.	(AF024504) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66334	Strand	+

Start	10417	End	12160
Name	OJ991208_15.0103.C7.o4.gs	Method	GENSCAN
Start	10417	End	12160
GI	none	Score	.86
Exons	10417..10614, 10673..12160		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66335	Strand	-
Start	12930	End	15413
Name	OJ991208_15.0103.C7.o5.gs	Method	GENSCAN
Start	12930	End	15413
GI	none	Score	.95
Exons	12930..12958, 13241..13428, 13521..13641, 14747..15413		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66335	Strand	-
Start	12930	End	15413
Name	OJ991208_15.0103.C7.o4.np	Method	AAT/NAP
Start	13355	End	15407
GI	2558660	Score	401
Exons	13355..13471, 13537..13641, 14747..15407		
GI Descrip.	(AC002354) unknown protein [Arabidopsis thaliana]		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o5.tm	Method	TBLASTX:Maize
Start	1944	End	2118
GI	none	Score	216
Exons	1944..2096, 1945..2118, 1945..2091, 1946..2092		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	3614	End	11896
GI	none	Score	124
Exons	3614..3718, 5788..5913, 6776..6931, 6777..7970, 7094..7507, 7559..7957, 10413..10523, 10417..10602, 10417..10599, 10705..10860, 10706..10867, 10982..11896, 11014..11511, 11584..11874		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	3632	End	11527
GI	none	Score	75
Exons	3632..3715, 5806..5913, 6776..6931, 6777..6995, 7037..7426, 7038..7451, 7461..7601, 10435..10620, 10705..10872, 10706..10870, 10982..11377, 11035..11370, 11347..11520, 11384..11527		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o4.tc	Method	TBLASTX:Cress

Start	5800	End	10870
GI	none	Score	99
Exons	5800..5907, 6776..7006, 6777..7010, 10438..10620, 10705..10806, 10706..10870		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	7124	End	12160
GI	none	Score	971
Exons	7124..7504, 7131..7982, 7556..7945, 7755..7961, 7971..8234, 8006..8233, 11047..11463, 11048..11908, 11525..11566, 11608..11880, 11897..12160, 11932..12159		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	7139	End	11235
GI	none	Score	203
Exons	7139..7306, 7140..7310, 11065..11235, 11066..11230		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	7461	End	11608
GI	none	Score	227
Exons	7461..7682, 7463..7660, 11384..11608, 11462..11563		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	7668	End	12127
GI	none	Score	96
Exons	7668..7820, 7706..7783, 7817..8032, 7818..7898, 7956..8057, 8055..8216, 8069..8200, 11603..11740, 11614..11739, 11750..11878, 11752..11982, 11753..11983, 11978..12127, 11980..12126		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o3.ts	Method	TBLASTX:Soybean
Start	8022	End	12175
GI	none	Score	272
Exons	8022..8243, 8024..8233, 11948..12175, 11950..12159		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o2.ts	Method	TBLASTX:Soybean
Start	13305	End	15323
GI	none	Score	168
Exons	13305..13397, 13529..13597, 14751..15323, 14755..15267		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o6.tm	Method	TBLASTX:Maize
Start	13311	End	14972
GI	none	Score	77
Exons	13311..13427, 13313..13426, 13335..13427, 13517..13606, 13517..13597, 13537..13623, 13592..13642, 13599..13643, 14748..14798, 14749..14820, 14786..14944, 14786..14944, 14788..14949, 14790..14960, 14790..14972		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o3.tc	Method	TBLASTX:Cress
Start	14739	End	15305
GI	none	Score	63
Exons	14739..14834, 14865..15245, 14908..15021, 15088..15234, 15252..15305		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o7.tm	Method	TBLASTX:Maize
Start	15105	End	15303
GI	none	Score	90
Exons	15105..15224, 15118..15225, 15216..15302, 15217..15303		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o6.gs	Method	GENSCAN
Start	16274	End	17715
GI	none	Score	.71
Exons	16274..16445, 16535..16609, 16802..16841, 17194..17315, 17590..17715		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o4.ts	Method	TBLASTX:Soybean
Start	16340	End	16614
GI	none	Score	112
Exons	16340..16444, 16341..16445, 16534..16614, 16568..16609		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o4.tm	Method	TBLASTX:Maize
Start	16355	End	16629
GI	none	Score	120
Exons	16355..16444, 16356..16445, 16359..16445, 16530..16610, 16534..16629, 16534..16629		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-

Start	16274	End	18277
Name	OJ991208_15.0103.C7.o5.np	Method	AAT/NAP
Start	17138	End	18277
GI	6691197	Score	417
Exons	17138..17315, 17590..17718, 17783..17849, 18256..18277		
GI Descrip.	(AC007534) F7F22.5 [Arabidopsis thaliana]		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	17192	End	17890
GI	none	Score	126
Exons	17192..17275, 17193..17300, 17202..17276, 17260..17316, 17267..17314, 17269..17316, 17589..17717, 17589..17714, 17590..17745, 17590..17715, 17803..17889, 17804..17890, 17807..17890		

Seq. No.	32064	Seq. ID	OJ991208_15.0103.C7
Gene No.	66336	Strand	-
Start	16274	End	18277
Name	OJ991208_15.0103.C7.o2.tc	Method	TBLASTX:Cress
Start	17207	End	17897
GI	none	Score	165
Exons	17207..17314, 17208..17315, 17208..17315, 17209..17316, 17209..17316, 17210..17317, 17589..17714, 17590..17715, 17612..17725, 17803..17889, 17804..17890, 17808..17897		

Seq. No.	32065	Seq. ID	OJ991208_15.0103.C8
Gene No.	66337	Strand	+
Start	2340	End	2670
Name	OJ991208_15.0103.C8.o1.gp	Method	AAT/GAP
Start	2340	End	2670
GI	LIB3433-056-P1-K1-H8	Score	551
Exons	2340..2670		
GI Descrip.	'5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]'		

Seq. No.	32065	Seq. ID	OJ991208_15.0103.C8
Gene No.	66338	Strand	+
Start	3317	End	3765
Name	OJ991208_15.0103.C8.o2.gs	Method	GENSCAN
Start	3317	End	3765
GI	none	Score	.57
Exons	3317..3511, 3661..3765		

Seq. No.	32065	Seq. ID	OJ991208_15.0103.C8
Gene No.	66339	Strand	-
Start	1	End	7895
Name	OJ991208_15.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	2661
GI	6691197	Score	427
Exons	1..18, 296..396, 1066..1259, 1399..1490, 1767..1894, 2499..2661		
GI Descrip.	(AC007534) F7F22.5 [Arabidopsis thaliana]		

Seq. No.	32065	Seq. ID	OJ991208_15.0103.C8

Gene No.	66339	Strand	-
Start	1	End	7895
Name	OJ991208_15.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	1078	End	1488
GI	none	Score	206
Exons	1078..1260, 1083..1262, 1370..1486, 1372..1488, 1385..1480, 1401..1487		

Seq. No.	32065	Seq. ID	OJ991208_15.0103.C8
Gene No.	66339	Strand	-
Start	1	End	7895
Name	OJ991208_15.0103.C8.o2.np	Method	AAT/NAP
Start	1791	End	7895
GI	6649242	Score	90
Exons	1791..2094, 4448..4766, 4932..5107, 7865..7895		
GI Descrip.	(AF201422) splicing coactivator subunit SRm300 [Homo sapiens]		

Seq. No.	32065	Seq. ID	OJ991208_15.0103.C8
Gene No.	66339	Strand	-
Start	1	End	7895
Name	OJ991208_15.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	4416	End	4673
GI	none	Score	122
Exons	4416..4553, 4417..4518, 4501..4560, 4530..4673		

Seq. No.	32065	Seq. ID	OJ991208_15.0103.C8
Gene No.	66339	Strand	-
Start	1	End	7895
Name	OJ991208_15.0103.C8.o3.gs	Method	GENSCAN
Start	4428	End	4775
GI	none	Score	.9
Exons	4428..4775		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66340	Strand	+
Start	132	End	3469
Name	OJ991208_15.0103.C9.o1.gs	Method	GENSCAN
Start	132	End	3469
GI	none	Score	.54
Exons	132..220, 444..498, 632..780, 1833..2116, 2271..2503, 2996..3469		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66340	Strand	+
Start	132	End	3469
Name	OJ991208_15.0103.C9.o1.gp	Method	AAT/GAP
Start	1806	End	2349
GI	LIB3432-002-P1-K1-B6	Score	829
Exons	1806..2116, 2219..2349		
GI Descrip.	'2264373 4.0e-40 (AC002354) putative NAM/no apical meristem protein [Arabidopsis thaliana]'		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66340	Strand	+
Start	132	End	3469
Name	OJ991208_15.0103.C9.o1.np	Method	AAT/NAP
Start	1960	End	3463
GI	2264373	Score	537

Exons	1960..2116, 2219..2482, 2996..3089, 3128..3463		
GI Descrip.	(AC002354) NAM (no apical meristem)-like protein [Arabidopsis thaliana]		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66341	Strand	+
Start	4263	End	6264
Name	OJ991208_15.0103.C9.o3.np	Method	AAT/NAP
Start	4263	End	6264
GI	4680492	Score	140
Exons	4263..4311, 6024..6264		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66342	Strand	+
Start	27284	End	27804
Name	OJ991208_15.0103.C9.o4.gs	Method	GENSCAN
Start	27284	End	27804
GI	none	Score	.81
Exons	27284..27315, 27401..27499, 27591..27647, 27741..27804		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66343	Strand	-
Start	3250	End	3727
Name	OJ991208_15.0103.C9.o2.gp	Method	AAT/GAP
Start	3250	End	3727
GI	none	Score	921
Exons	3250..3727		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	1839	End	13006
GI	none	Score	47
Exons	1839..1883, 1869..1907, 12444..12584, 12445..12585, 12678..12830, 12678..12776, 12683..12913, 12911..13006, 12912..12995		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o2.ts	Method	TBLASTX:Soybean
Start	1957	End	3084
GI	none	Score	216
Exons	1957..2118, 1959..2141, 2217..2339, 2218..2343, 2354..2467, 2374..2454, 2996..3082, 2998..3084		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o3.tc	Method	TBLASTX:Cress
Start	1968	End	2401
GI	none	Score	201
Exons	1968..2003, 1975..2118, 2070..2117, 2217..2339, 2218..2343, 2354..2401, 2371..2397		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o5.tm	Method	TBLASTX:Maize
Start	2005	End	3052
GI	none	Score	126
Exons	2005..2115, 2049..2114, 2230..2268, 2232..2267, 2269..2343, 2277..2339, 2363..2551, 2363..2524, 2999..3052		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	2230	End	2461
GI	none	Score	143
Exons	2230..2256, 2232..2342, 2233..2343, 2375..2461, 2375..2452, 2377..2454		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o3.gp	Method	AAT/GAP
Start	4262	End	5637
GI	974_1.R1084	Score	1899
Exons	4262..4901, 5058..5169, 5272..5637		
GI Descrip.	'2109457 1.0e-158 (AF001501) chitinase [Oryza sativa]'		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o5.np	Method	AAT/NAP
Start	4486	End	24530
GI	2129478	Score	684
Exons	4486..4901, 5058..5163, 5269..5479, 9262..9317, 21275..21600, 24381..24530		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o3.tm	Method	TBLASTX:Maize
Start	4514	End	5497
GI	none	Score	56
Exons	4514..4588, 4529..4912, 4530..4628, 4624..4659, 4664..4813, 4698..4907, 4699..4908, 4977..5018, 5052..5171, 5057..5176, 5058..5177, 5270..5473, 5271..5294, 5285..5497		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o2.gs	Method	GENSCAN
Start	4523	End	5551
GI	none	Score	.94
Exons	4523..4901, 5058..5169, 5272..5551		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o2.np	Method	AAT/NAP
Start	4526	End	5623
GI	2109457	Score	1238
Exons	4526..4901, 5058..5169, 5272..5623		
GI Descrip.	(AF001501) chitinase [Oryza sativa]		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o2.tc	Method	TBLASTX:Cress
Start	4526	End	5398
GI	none	Score	96
Exons	4526..4621, 4643..4897, 4661..4801, 4698..4880, 5060..5089, 5064..5090, 5099..5176, 5103..5177, 5270..5398, 5271..5294		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o4.ts	Method	TBLASTX:Soybean
Start	4535	End	4904
GI	none	Score	184
Exons	4535..4633, 4643..4903, 4698..4904, 4728..4904		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o6.ts	Method	TBLASTX:Soybean
Start	5060	End	5473
GI	none	Score	77
Exons	5060..5089, 5109..5171, 5111..5170, 5249..5407, 5271..5396, 5402..5473		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o3.gs	Method	GENSCAN
Start	8584	End	26683
GI	none	Score	.52
Exons	8584..8880, 8974..9087, 9172..9363, 9490..9678, 10070..10155, 11010..11115, 11541..11674, 12449..12584, 12680..12994, 13008..13093, 14812..14882, 16190..16277, 17786..17926, 18208..18306, 18364..18521, 18581..18704, 19368..19425, 21013..22062, 23454..23630, 23725..23844, 24680..24742, 25189..25240, 25409..25539, 26018..26161, 26243..26683		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	8615	End	11648
GI	none	Score	258
Exons	8615..8782, 8647..8883, 8648..8881, 8683..8883, 8968..9084, 8974..9081, 8987..9088, 9166..9270, 9173..9271, 9331..9363, 9332..9364, 9487..9684, 9488..9712, 10068..10139, 10070..10159,		

10077..10157, 11006..11113, 11008..11118, 11008..11127, 11541..11648

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o4.np	Method	AAT/NAP
Start	8629	End	13021
GI	3080427	Score	1736
Exons	8629..8915, 8974..9087, 9172..9290, 9318..9363, 9490..9678, 10070..10155, 11010..11115, 11541..11674, 12449..12584, 12680..13021		
GI Descrip.	(AL022604) putative protein [Arabidopsis thaliana]		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	8710	End	11675
GI	none	Score	77
Exons	8710..8796, 8747..8797, 8748..8804, 8807..8869, 8808..8864, 8809..8868, 8867..8884, 8974..9081, 8975..9088, 8978..9088, 8979..9089, 9166..9270, 9170..9271, 9179..9274, 9319..9366, 9320..9364, 9331..9366, 9478..9684, 9482..9679, 10068..10142, 10073..10159, 10074..10157, 11004..11117, 11008..11118, 11008..11127, 11523..11657, 11540..11656, 11541..11675, 11542..11658, 11543..11659		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o5.tc	Method	TBLASTX:Cress
Start	8740	End	11621
GI	none	Score	128
Exons	8740..8883, 8747..8884, 8752..8886, 8974..9081, 8975..9088, 9181..9270, 9182..9265, 9487..9684, 9506..9679, 10070..10159, 10071..10157, 11006..11113, 11008..11127, 11029..11118, 11532..11621		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o4.gp	Method	AAT/GAP
Start	9015	End	10113
GI	LIB3434-037-P1-K1-F11	Score	914
Exons	9015..9087, 9172..9363, 9490..9678, 10070..10113		
GI Descrip.	'3080427/emb|CAA18746.1| 6.0e-63 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o1.tc	Method	TBLASTX:Cress
Start	11625	End	12907
GI	none	Score	122
Exons	11625..11681, 12412..12585, 12444..12584, 12678..12743, 12683..12748, 12740..12907, 12756..12812		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o3.ts	Method	TBLASTX:Soybean
Start	12444	End	12868
GI	none	Score	119
Exons	12444..12584, 12445..12585, 12678..12806, 12681..12767, 12683..12832, 12683..12868		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66344	Strand	-
Start	4262	End	26683
Name	OJ991208_15.0103.C9.o2.tw	Method	TBLASTX:Wheat
Start	12465	End	12874
GI	none	Score	58
Exons	12465..12584, 12466..12585, 12683..12733, 12758..12874		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66345	Strand	
Start	27395	End	28086
Name	OJ991208_15.0103.C9.o4.tm	Method	TBLASTX:Maize
Start	27395	End	28086
GI	none	Score	151
Exons	27395..27502, 27396..27494, 27410..27502, 27588..27647, 27589..27648, 27742..27801, 27756..27800, 27875..28081, 27875..28054, 27877..28086		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66345	Strand	
Start	27395	End	28086
Name	OJ991208_15.0103.C9.o4.tc	Method	TBLASTX:Cress
Start	27402	End	27982
GI	none	Score	156
Exons	27402..27494, 27410..27499, 27413..27499, 27591..27647, 27592..27648, 27727..27798, 27729..27800, 27730..27801, 27875..27982, 27877..27981		

Seq. No.	32066	Seq. ID	OJ991208_15.0103.C9
Gene No.	66345	Strand	
Start	27395	End	28086
Name	OJ991208_15.0103.C9.o5.ts	Method	TBLASTX:Soybean
Start	27402	End	27979
GI	none	Score	143
Exons	27402..27494, 27407..27499, 27592..27648, 27730..27801, 27739..27801, 27746..27805, 27875..27979, 27876..27965, 27877..27978		

Seq. No.	32067	Seq. ID	OJ991028_14.0118.C1
Gene No.	66346	Strand	+
Start	43	End	753
Name	OJ991028_14.0118.C1.o1.gs	Method	GENSCAN
Start	43	End	753
GI	none	Score	.88
Exons	43..299, 367..477, 696..753		

Seq. No.	32067	Seq. ID	OJ991028_14.0118.C1

Gene No.	66347	Strand	-
Start	946	End	1422
Name	OJ991028_14.0118.C1.o2.gs	Method	GENSCAN
Start	946	End	1422
GI	none	Score	.52
Exons	946..1008, 1372..1422		

Seq. No.	32068	Seq. ID	OJ991028_14.0118.C2
Gene No.	66348	Strand	+
Start	6583	End	6725
Name	OJ991028_14.0118.C2.o1.np	Method	AAT/NAP
Start	6583	End	6725
GI	126094	Score	66
Exons	6583..6725		
GI Descrip.	2-ACETAMIDO-2-DEOXY-D-GALACTOSE-BINDING SEED LECTIN II (CSII) gi|260046|bbs|118119 2-acetamido-2-deoxy-D-galactose-binding lectin II, CSII [Cytisus scoparius, seeds, Peptide, 248 aa]		

Seq. No.	32068	Seq. ID	OJ991028_14.0118.C2
Gene No.	66349	Strand	-
Start	828	End	1069
Name	OJ991028_14.0118.C2.o1.gp	Method	AAT/GAP
Start	828	End	1069
GI	LIB3477-003-P1-K1-E9	Score	107
Exons	828..867, 997..1069		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32068	Seq. ID	OJ991028_14.0118.C2
Gene No.	66350	Strand	-
Start	9685	End	12722
Name	OJ991028_14.0118.C2.o2.gs	Method	GENSCAN
Start	9685	End	12722
GI	none	Score	.71
Exons	9685..9800, 11393..11450, 12672..12722		

Seq. No.	32069	Seq. ID	OJ991028_14.0118.C3
Gene No.	66351	Strand	+
Start	877	End	2583
Name	OJ991028_14.0118.C3.o1.np	Method	AAT/NAP
Start	877	End	2583
GI	6175156	Score	144
Exons	877..1221, 2564..2583		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	32069	Seq. ID	OJ991028_14.0118.C3
Gene No.	66351	Strand	+
Start	877	End	2583
Name	OJ991028_14.0118.C3.o1.gs	Method	GENSCAN
Start	963	End	1431
GI	none	Score	.98
Exons	963..1431		

Seq. No.	32069	Seq. ID	OJ991028_14.0118.C3
Gene No.	66352	Strand	+
Start	5510	End	6094

Name	OJ991028_14.0118.C3.o3.gs	Method	GENSCAN
Start	5510	End	6094
GI	none	Score	.62
Exons	5510..5617, 5882..6094		

Seq. No.	32069	Seq. ID	OJ991028_14.0118.C3
Gene No.	66353	Strand	-
Start	4223	End	4540
Name	OJ991028_14.0118.C3.o2.gs	Method	GENSCAN
Start	4223	End	4540
GI	none	Score	.65
Exons	4223..4540		

Seq. No.	32069	Seq. ID	OJ991028_14.0118.C3
Gene No.	66354	Strand	-
Start	4607	End	5756
Name	OJ991028_14.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	869	End	1386
GI	none	Score	53
Exons	869..952, 964..1038, 1126..1200, 1189..1386		

Seq. No.	32069	Seq. ID	OJ991028_14.0118.C3
Gene No.	66354	Strand	-
Start	4607	End	5756
Name	OJ991028_14.0118.C3.o2.np	Method	AAT/NAP
Start	4607	End	5756
GI	5042463	Score	160
Exons	4607..4688, 4740..4871, 5533..5756		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	32070	Seq. ID	OJ991028_14.0118.C4
Gene No.	66355	Strand	+
Start	143	End	492
Name	OJ991028_14.0118.C4.o1.gs	Method	GENSCAN
Start	143	End	492
GI	none	Score	.71
Exons	143..492		

Seq. No.	32071	Seq. ID	OJ991028_14.0118.C5
Gene No.	66356	Strand	+
Start	314	End	393
Name	OJ991028_14.0118.C5.o1.gs	Method	GENSCAN
Start	314	End	393
GI	none	Score	.91
Exons	314..393		

Seq. No.	32071	Seq. ID	OJ991028_14.0118.C5
Gene No.	66357	Strand	+
Start	2037	End	3636
Name	OJ991028_14.0118.C5.o2.gs	Method	GENSCAN
Start	2037	End	3636
GI	none	Score	.7
Exons	2037..2220, 3617..3636		

Seq. No.	32071	Seq. ID	OJ991028_14.0118.C5
Gene No.	66358	Strand	-
Start	682	End	1109

Name	OJ991028_14.0118.C5.o1.gp	Method	AAT/GAP
Start	682	End	1109
GI	uC-osflcyp143h03b1	Score	673
Exons	682..994, 1057..1109		
GI Descrip.	'3386598 3.0e-38 (AC004665) putative cytochrome p450 [Arabidopsis thaliana]'		

Seq. No.	32072	Seq. ID	OJ991028_14.0118.C6
Gene No.	66359	Strand	+
Start	1	End	982
Name	OJ991028_14.0118.C6.o1.np	Method	AAT/NAP
Start	1	End	982
GI	6721543	Score	129
Exons	1..51, 866..982		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32072	Seq. ID	OJ991028_14.0118.C6
Gene No.	66360	Strand	+
Start	995	End	2501
Name	OJ991028_14.0118.C6.o2.np	Method	AAT/NAP
Start	995	End	2501
GI	5441880	Score	1781
Exons	995..2000, 2445..2501		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32072	Seq. ID	OJ991028_14.0118.C6
Gene No.	66360	Strand	+
Start	995	End	2501
Name	OJ991028_14.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	1556	End	2152
GI	none	Score	93
Exons	1556..1684, 1564..1662, 1718..2017, 1735..1956, 2081..2152		

Seq. No.	32072	Seq. ID	OJ991028_14.0118.C6
Gene No.	66360	Strand	+
Start	995	End	2501
Name	OJ991028_14.0118.C6.o1.gp	Method	AAT/GAP
Start	1599	End	2030
GI	5701669	Score	841
Exons	1599..2030		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32072	Seq. ID	OJ991028_14.0118.C6
Gene No.	66360	Strand	+
Start	995	End	2501
Name	OJ991028_14.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	1850	End	2230
GI	none	Score	208
Exons	1850..2044, 1859..2056, 2050..2169, 2054..2230, 2054..2200		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66361	Strand	+
Start	1	End	3361

Name	OJ991028_14.0118.C7.o1.np	Method	AAT/NAP
Start	1	End	2804
GI	5441880	Score	2395
Exons	1..190, 296..632, 1221..1519, 1596..1854, 2099..2172, 2209..2232, 2323..2454, 2570..2804		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66361	Strand	+
Start	1	End	3361
Name	OJ991028_14.0118.C7.o1.gs	Method	GENSCAN
Start	42	End	3083
GI	none	Score	.75
Exons	42..190, 296..632, 717..1127, 1221..1519, 1596..1854, 1947..2129, 2195..2232, 2323..2454, 2518..2565, 2570..2772, 2923..3083		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66361	Strand	+
Start	1	End	3361
Name	OJ991028_14.0118.C7.o1.gp	Method	AAT/GAP
Start	1347	End	1846
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	1347..1519, 1596..1846		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66361	Strand	+
Start	1	End	3361
Name	OJ991028_14.0118.C7.o2.gp	Method	AAT/GAP
Start	2908	End	3361
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	2908..3361		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66362	Strand	+
Start	18381	End	20319
Name	OJ991028_14.0118.C7.o4.gs	Method	GENSCAN
Start	18381	End	20319
GI	none	Score	.83
Exons	18381..18431, 18760..18857, 18893..18978, 19775..20319		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66363	Strand	+
Start	31191	End	32886
Name	OJ991028_14.0118.C7.o5.np	Method	AAT/NAP
Start	31179	End	32886
GI	5091604	Score	160
Exons	31179..31427, 32850..32886		
GI Descrip.	(AC007858) 10A19I.8 [Oryza sativa]		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66363	Strand	+
Start	31191	End	32886
Name	OJ991028_14.0118.C7.o6.gs	Method	GENSCAN
Start	31191	End	31418
GI	none	Score	.57
Exons	31191..31418		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66364	Strand	-
Start	3304	End	3723
Name	OJ991028_14.0118.C7.o3.gp	Method	AAT/GAP
Start	3304	End	3709
GI	7406_1.R1084	Score	656
Exons	3304..3709		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66364	Strand	-
Start	3304	End	3723
Name	OJ991028_14.0118.C7.o2.np	Method	AAT/NAP
Start	3595	End	3723
GI	6721543	Score	99
Exons	3595..3723		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66365	Strand	-
Start	13295	End	27724
Name	OJ991028_14.0118.C7.o3.tm	Method	TBLASTX:Maize
Start	6269	End	27724
GI	none	Score	36
Exons	6269..6451, 6503..6817, 27403..27426, 27428..27547, 27635..27724		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66365	Strand	-
Start	13295	End	27724
Name	OJ991028_14.0118.C7.o3.np	Method	AAT/NAP
Start	12552	End	21266
GI	5091513	Score	1384
Exons	12552..13091, 13749..15151, 15897..16154, 16714..16897, 20475..20742, 21109..21266		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66365	Strand	-
Start	13295	End	27724
Name	OJ991028_14.0118.C7.o3.gs	Method	GENSCAN
Start	13295	End	17475
GI	none	Score	.66
Exons	13295..13394, 13611..13810, 13812..13939, 13964..14218, 14224..14567, 14610..15206, 15975..16194, 16604..16739, 16783..17286, 17292..17352, 17420..17475		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66365	Strand	-

Start	13295	End	27724
Name	OJ991028_14.0118.C7.o4.gp	Method	AAT/GAP
Start	17610	End	18128
GI	38782_1.R1084	Score	790
Exons	17610..18128		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66365	Strand	-
Start	13295	End	27724
Name	OJ991028_14.0118.C7.o1.tw	Method	TBLASTX:Wheat
Start	23832	End	24077
GI	none	Score	189
Exons	23832..24077, 23833..24072		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66365	Strand	-
Start	13295	End	27724
Name	OJ991028_14.0118.C7.o2.tm	Method	TBLASTX:Maize
Start	23893	End	24309
GI	none	Score	137
Exons	23893..24150, 24184..24309		

Seq. No.	32073	Seq. ID	OJ991028_14.0118.C7
Gene No.	66366	Strand	
Start	31187	End	31419
Name	OJ991028_14.0118.C7.o1.tm	Method	TBLASTX:Maize
Start	31187	End	31419
GI	none	Score	257
Exons	31187..31405, 31200..31412, 31201..31419		

Seq. No.	32074	Seq. ID	OJ991028_14.0118.C8
Gene No.	66367	Strand	+
Start	1	End	942
Name	OJ991028_14.0118.C8.o1.np	Method	AAT/NAP
Start	1	End	942
GI	5852084	Score	73
Exons	1..20, 858..942		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	32074	Seq. ID	OJ991028_14.0118.C8
Gene No.	66368	Strand	+
Start	881	End	945
Name	OJ991028_14.0118.C8.o1.gs	Method	GENSCAN
Start	881	End	945
GI	none	Score	.48
Exons	881..945		

Seq. No.	32075	Seq. ID	OJ991028_14.0118.C9
Gene No.	66369	Strand	-
Start	549	End	1517
Name	OJ991028_14.0118.C9.o3.tm	Method	TBLASTX:Maize
Start	516	End	762
GI	none	Score	63
Exons	516..761, 637..762		

Seq. No.	32075	Seq. ID	OJ991028_14.0118.C9
Gene No.	66369	Strand	-
Start	549	End	1517
Name	OJ991028_14.0118.C9.o1.gs	Method	GENSCAN
Start	549	End	1457
GI	none	Score	.74
Exons	549..1457		

Seq. No.	32075	Seq. ID	OJ991028_14.0118.C9
Gene No.	66369	Strand	-
Start	549	End	1517
Name	OJ991028_14.0118.C9.o1.np	Method	AAT/NAP
Start	558	End	1517
GI	4539660	Score	1230
Exons	558..1517		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	32075	Seq. ID	OJ991028_14.0118.C9
Gene No.	66369	Strand	-
Start	549	End	1517
Name	OJ991028_14.0118.C9.o2.tw	Method	TBLASTX:Wheat
Start	570	End	903
GI	none	Score	95
Exons	570..902, 679..903		

Seq. No.	32075	Seq. ID	OJ991028_14.0118.C9
Gene No.	66369	Strand	-
Start	549	End	1517
Name	OJ991028_14.0118.C9.o1.tm	Method	TBLASTX:Maize
Start	762	End	1346
GI	none	Score	266
Exons	762..1190, 763..1191, 912..1250, 1049..1195, 1184..1318, 1188..1346, 1192..1344		

Seq. No.	32075	Seq. ID	OJ991028_14.0118.C9
Gene No.	66369	Strand	-
Start	549	End	1517
Name	OJ991028_14.0118.C9.o1.tw	Method	TBLASTX:Wheat
Start	903	End	1508
GI	none	Score	341
Exons	903..1508, 904..1473		

Seq. No.	32075	Seq. ID	OJ991028_14.0118.C9
Gene No.	66369	Strand	-
Start	549	End	1517
Name	OJ991028_14.0118.C9.o2.tm	Method	TBLASTX:Maize
Start	1347	End	1508
GI	none	Score	157
Exons	1347..1508, 1351..1506		

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o1.np	Method	AAT/NAP
Start	1	End	5114
GI	5257279	Score	6156
Exons	1..143, 258..428, 636..3354, 3986..4221, 4569..5114		

GI Descrip. (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o7.tw	Method	TBLASTX:Wheat
Start	6	End	134
GI	none	Score	116
Exons	6..134, 7..126		

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o4.tm	Method	TBLASTX:Maize
Start	18	End	310
GI	none	Score	221
Exons	18..308, 22..309, 170..310		

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o2.ts	Method	TBLASTX:Soybean
Start	111	End	357
GI	none	Score	110
Exons	111..356, 112..357		

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o1.tc	Method	TBLASTX:Cress
Start	133	End	449
GI	none	Score	89
Exons	133..273, 165..275, 276..449, 328..441		

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o2.tw	Method	TBLASTX:Wheat
Start	165	End	642
GI	none	Score	317
Exons	165..641, 169..642		

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	642	End	1139
GI	none	Score	307
Exons	642..1139, 643..1104, 798..1130		

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	714	End	1067
GI	none	Score	192

Exons	714..1067, 727..1065		
Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o1.gp	Method	AAT/GAP
Start	803	End	2164
GI	4107139	Score	2636
Exons	803..2164		
GI Descrip.	5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o3.ts	Method	TBLASTX:Soybean
Start	888	End	1133
GI	none	Score	78
Exons	888..1133, 1003..1104		
Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o3.tm	Method	TBLASTX:Maize
Start	1074	End	1421
GI	none	Score	132
Exons	1074..1421, 1153..1419		
Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o4.tw	Method	TBLASTX:Wheat
Start	1140	End	1377
GI	none	Score	151
Exons	1140..1376, 1156..1377		
Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	1155	End	1550
GI	none	Score	228
Exons	1155..1514, 1156..1512, 1185..1520, 1361..1519, 1518..1550		
Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o3.tw	Method	TBLASTX:Wheat
Start	1287	End	1973
GI	none	Score	47
Exons	1287..1325, 1378..1422, 1491..1973, 1495..1638, 1524..1853, 1666..1962		
Seq. No.	32076	Seq. ID	OJ991028 14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o2.tm	Method	TBLASTX:Maize

Start	1437	End	1907
GI	none	Score	404
Exons	1437..1907		

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o6.tm	Method	TBLASTX:Maize
Start	1908	End	2070
GI	none	Score	151
Exons	1908..2069, 1909..2070		

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o6.tw	Method	TBLASTX:Wheat
Start	2145	End	2523
GI	none	Score	95
Exons	2145..2267, 2146..2256, 2151..2303, 2301..2522, 2364..2522, 2401..2523		

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o5.tm	Method	TBLASTX:Maize
Start	2203	End	2528
GI	none	Score	61
Exons	2203..2337, 2205..2528, 2380..2481		

Seq. No.	32076	Seq. ID	OJ991028_14.0118.C10
Gene No.	66370	Strand	-
Start	1	End	5114
Name	OJ991028_14.0118.C10.o5.tw	Method	TBLASTX:Wheat
Start	3075	End	3461
GI	none	Score	107
Exons	3075..3221, 3246..3461, 3256..3438		

Seq. No.	32077	Seq. ID	OJ991028_14.0118.C11
Gene No.	66371	Strand	+
Start	11529	End	11910
Name	OJ991028_14.0118.C11.o2.gp	Method	AAT/GAP
Start	11529	End	11910
GI	uC-osflcyp033a04b1	Score	647
Exons	11529..11910		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32077	Seq. ID	OJ991028_14.0118.C11
Gene No.	66372	Strand	+
Start	14325	End	15455
Name	OJ991028_14.0118.C11.o1.np	Method	AAT/NAP
Start	14254	End	15455
GI	6721517	Score	1129
Exons	14254..14317, 14367..14524, 14604..15455		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	32077	Seq. ID	OJ991028_14.0118.C11

Gene No.	66372	Strand	+
Start	14325	End	15455
Name	OJ991028_14.0118.C11.o3.gs	Method	GENSCAN
Start	14325	End	15126
GI	none	Score	.57
Exons	14325..14717, 14793..15126		

Seq. No.	32077	Seq. ID	OJ991028_14.0118.C11
Gene No.	66373	Strand	-
Start	1227	End	1749
Name	OJ991028_14.0118.C11.o1.gp	Method	AAT/GAP
Start	1227	End	1749
GI	none	Score	1021
Exons	1227..1749		

Seq. No.	32077	Seq. ID	OJ991028_14.0118.C11
Gene No.	66374	Strand	-
Start	6617	End	13323
Name	OJ991028_14.0118.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	392
GI	none	Score	53
Exons	1..48, 2..40, 164..244, 165..242, 354..392, 357..392		

Seq. No.	32077	Seq. ID	OJ991028_14.0118.C11
Gene No.	66374	Strand	-
Start	6617	End	13323
Name	OJ991028_14.0118.C11.o2.gs	Method	GENSCAN
Start	6617	End	13323
GI	none	Score	.46
Exons	6617..6655, 7332..8160, 8837..8912, 10161..10519, 11759..11812, 12544..12703, 13182..13323		

Seq. No.	32077	Seq. ID	OJ991028_14.0118.C11
Gene No.	66374	Strand	-
Start	6617	End	13323
Name	OJ991028_14.0118.C11.o1.tm	Method	TBLASTX:Maize
Start	9216	End	9450
GI	none	Score	97
Exons	9216..9335, 9224..9328, 9225..9332, 9320..9436, 9321..9449, 9328..9450, 9330..9449		

Seq. No.	32077	Seq. ID	OJ991028_14.0118.C11
Gene No.	66375	Strand	
Start	14525	End	14885
Name	OJ991028_14.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	14525	End	14885
GI	none	Score	289
Exons	14525..14875, 14526..14882, 14535..14885		

Seq. No.	32078	Seq. ID	OJ991028_14.0118.C13
Gene No.	66376	Strand	+
Start	1	End	1025
Name	OJ991028_14.0118.C13.o1.np	Method	AAT/NAP
Start	1	End	1025
GI	6434374	Score	59
Exons	1..138, 558..645, 921..1025		
GI Descrip.	(AL132880) predicted using Genefinder; preliminary prediction		

[Caenorhabditis elegans]

Seq. No.	32078	Seq. ID	OJ991028_14.0118.C13
Gene No.	66376	Strand	+
Start	1	End	1025
Name	OJ991028_14.0118.C13.o1.ts	Method	TBLASTX:Soybean
Start	307	End	1024
GI	none	Score	85
Exons	307..369, 317..397, 540..647, 908..1024, 916..1020	542..646, 543..647, 544..648,	

Seq. No.	32078	Seq. ID	OJ991028_14.0118.C13
Gene No.	66376	Strand	+
Start	1	End	1025
Name	OJ991028_14.0118.C13.o1.gs	Method	GENSCAN
Start	545	End	1021
GI	none	Score	.78
Exons	545..645, 918..1021		

Seq. No.	32079	Seq. ID	OJ991028_14.0118.C14
Gene No.	66377	Strand	+
Start	1	End	364
Name	OJ991028_14.0118.C14.o1.np	Method	AAT/NAP
Start	1	End	358
GI	5441880	Score	394
Exons	1..358		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32079	Seq. ID	OJ991028_14.0118.C14
Gene No.	66377	Strand	+
Start	1	End	364
Name	OJ991028_14.0118.C14.o1.gs	Method	GENSCAN
Start	167	End	364
GI	none	Score	.62
Exons	167..364		

Seq. No.	32080	Seq. ID	OJ991028_14.0118.C17
Gene No.	66378	Strand	+
Start	2064	End	3643
Name	OJ991028_14.0118.C17.o1.gs	Method	GENSCAN
Start	2064	End	3643
GI	none	Score	.57
Exons	2064..2101, 2190..2320, 3348..3643		

Seq. No.	32080	Seq. ID	OJ991028_14.0118.C17
Gene No.	66378	Strand	+
Start	2064	End	3643
Name	OJ991028_14.0118.C17.o1.gp	Method	AAT/GAP
Start	3133	End	3442
GI	none	Score	583
Exons	3133..3442		

Seq. No.	32080	Seq. ID	OJ991028_14.0118.C17
Gene No.	66379	Strand	-
Start	3090	End	6536

Name	OJ991028_14.0118.C17.o2.ts	Method	TBLASTX:Soybean
Start	1839	End	4462
GI	none	Score	157
Exons	1839..1913, 3450..3602, 3452..3601, 3455..3604, 4070..4432, 4071..4397, 4330..4431, 4427..4462, 4432..4461		

Seq. No.	32080	Seq. ID	OJ991028_14.0118.C17
Gene No.	66379	Strand	-
Start	3090	End	6536
Name	OJ991028_14.0118.C17.o1.np	Method	AAT/NAP
Start	3090	End	6029
GI	4539009	Score	1151
Exons	3090..3191, 3423..3602, 4074..5219, 5969..6029		
GI Descrip.	(AL049481) putative protein [Arabidopsis thaliana]		

Seq. No.	32080	Seq. ID	OJ991028_14.0118.C17
Gene No.	66379	Strand	-
Start	3090	End	6536
Name	OJ991028_14.0118.C17.o2.tm	Method	TBLASTX:Maize
Start	3416	End	4308
GI	none	Score	40
Exons	3416..3448, 3417..3446, 3452..3514, 3453..3515, 3515..3601, 3516..3602, 3516..3602, 4070..4291, 4071..4292, 4072..4308, 4116..4307		

Seq. No.	32080	Seq. ID	OJ991028_14.0118.C17
Gene No.	66379	Strand	-
Start	3090	End	6536
Name	OJ991028_14.0118.C17.o2.tc	Method	TBLASTX:Cress
Start	3494	End	4456
GI	none	Score	152
Exons	3494..3595, 4079..4432, 4080..4397, 4316..4432, 4427..4456, 4432..4452		

Seq. No.	32080	Seq. ID	OJ991028_14.0118.C17
Gene No.	66379	Strand	-
Start	3090	End	6536
Name	OJ991028_14.0118.C17.o2.gs	Method	GENSCAN
Start	4016	End	6533
GI	none	Score	.51
Exons	4016..4031, 4074..4300, 4324..5219, 5966..6027, 6501..6533		

Seq. No.	32080	Seq. ID	OJ991028_14.0118.C17
Gene No.	66379	Strand	-
Start	3090	End	6536
Name	OJ991028_14.0118.C17.o1.tw	Method	TBLASTX:Wheat
Start	4304	End	4707
GI	none	Score	129
Exons	4304..4456, 4308..4397, 4427..4516, 4430..4705, 4431..4706, 4432..4707, 4432..4707		

Seq. No.	32080	Seq. ID	OJ991028_14.0118.C17
Gene No.	66379	Strand	-
Start	3090	End	6536
Name	OJ991028_14.0118.C17.o1.tm	Method	TBLASTX:Maize
Start	4440	End	6536
GI	none	Score	343

Exons	4440..4865, 4441..5088, 4441..5088, 4890..5093, 5968..6027, 5970..6026, 6173..6253, 6175..6249, 6177..6257, 6468..6536, 6470..6535		
Seq. No.	32080	Seq. ID	OJ991028_14.0118.C17
Gene No.	66379	Strand	-
Start	3090	End	6536
Name	OJ991028_14.0118.C17.o1.ts	Method	TBLASTX:Soybean
Start	4526	End	5094
GI	none	Score	180
Exons	4526..4837, 4527..4757, 4542..5057, 4543..5058, 4567..5094, 4673..5089		
Seq. No.	32080	Seq. ID	OJ991028_14.0118.C17
Gene No.	66379	Strand	-
Start	3090	End	6536
Name	OJ991028_14.0118.C17.o1.tc	Method	TBLASTX:Cress
Start	4555	End	4908
GI	none	Score	202
Exons	4555..4893, 4570..4908, 4685..4894		
Seq. No.	32081	Seq. ID	OJ991028_14.0118.C18
Gene No.	66380	Strand	-
Start	151	End	631
Name	OJ991028_14.0118.C18.o1.tm	Method	TBLASTX:Maize
Start	2	End	300
GI	none	Score	48
Exons	2..40, 3..38, 4..39, 122..250, 137..295, 142..300, 145..300		
Seq. No.	32081	Seq. ID	OJ991028_14.0118.C18
Gene No.	66380	Strand	-
Start	151	End	631
Name	OJ991028_14.0118.C18.o1.gs	Method	GENSCAN
Start	151	End	292
GI	none	Score	.58
Exons	151..292		
Seq. No.	32081	Seq. ID	OJ991028_14.0118.C18
Gene No.	66380	Strand	-
Start	151	End	631
Name	OJ991028_14.0118.C18.o1.np	Method	AAT/NAP
Start	151	End	631
GI	4539009	Score	54
Exons	151..342, 596..631		
GI Descrip.	(AL049481) putative protein [Arabidopsis thaliana]		
Seq. No.	32081	Seq. ID	OJ991028_14.0118.C18
Gene No.	66380	Strand	-
Start	151	End	631
Name	OJ991028_14.0118.C18.o1.ts	Method	TBLASTX:Soybean
Start	165	End	619
GI	none	Score	87
Exons	165..251, 166..279, 166..294, 167..295, 192..299, 578..619		
Seq. No.	32082	Seq. ID	OJ991208_14.0104.C1
Gene No.	66381	Strand	+
Start	1669	End	2424

Name	OJ991208_14.0104.C1.o1.gs	Method	GENSCAN
Start	1669	End	2417
GI	none	Score	.66
Exons	1669..2235, 2313..2417		

Seq. No.	32082	Seq. ID	OJ991208_14.0104.C1
Gene No.	66381	Strand	+
Start	1669	End	2424
Name	OJ991208_14.0104.C1.o1.gp	Method	AAT/GAP
Start	2157	End	2424
GI	2315_5.R1084	Score	309
Exons	2157..2235, 2313..2424		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32083	Seq. ID	OJ991208_14.0104.C2
Gene No.	66382	Strand	+
Start	2130	End	4614
Name	OJ991208_14.0104.C2.o1.gs	Method	GENSCAN
Start	2130	End	4614
GI	none	Score	.4
Exons	2130..2189, 2407..2512, 4547..4614		

Seq. No.	32083	Seq. ID	OJ991208_14.0104.C2
Gene No.	66383	Strand	-
Start	981	End	1592
Name	OJ991208_14.0104.C2.o1.gp	Method	AAT/GAP
Start	981	End	1592
GI	2315_5.R1084	Score	355
Exons	981..1025, 1330..1592		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32083	Seq. ID	OJ991208_14.0104.C2
Gene No.	66384	Strand	-
Start	5898	End	6875
Name	OJ991208_14.0104.C2.o2.gs	Method	GENSCAN
Start	5898	End	6875
GI	none	Score	.8
Exons	5898..5968, 6260..6875		

Seq. No.	32084	Seq. ID	OJ991208_14.0104.C4
Gene No.	66385	Strand	-
Start	1	End	1182
Name	OJ991208_14.0104.C4.o1.np	Method	AAT/NAP
Start	1	End	1182
GI	4680179	Score	654
Exons	1..25, 376..1182		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32084	Seq. ID	OJ991208_14.0104.C4
Gene No.	66385	Strand	-
Start	1	End	1182
Name	OJ991208_14.0104.C4.o1.tw	Method	TBLASTX:Wheat
Start	385	End	691
GI	none	Score	112
Exons	385..687, 494..691		

Seq. No.	32084	Seq. ID	OJ991208_14.0104.C4
Gene No.	66385	Strand	-
Start	1	End	1182
Name	OJ991208_14.0104.C4.o1.tm	Method	TBLASTX:Maize
Start	397	End	687
GI	none	Score	68
Exons	397..687, 557..670		

Seq. No.	32084	Seq. ID	OJ991208_14.0104.C4
Gene No.	66385	Strand	-
Start	1	End	1182
Name	OJ991208_14.0104.C4.o2.tw	Method	TBLASTX:Wheat
Start	710	End	921
GI	none	Score	113
Exons	710..910, 712..921		

Seq. No.	32085	Seq. ID	OJ991208_14.0104.C5
Gene No.	66386	Strand	+
Start	1779	End	1973
Name	OJ991208_14.0104.C5.o2.np	Method	AAT/NAP
Start	1779	End	1973
GI	4680186	Score	102
Exons	1779..1973		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32085	Seq. ID	OJ991208_14.0104.C5
Gene No.	66387	Strand	-
Start	44	End	4668
Name	OJ991208_14.0104.C5.o1.gs	Method	GENSCAN
Start	44	End	4668
GI	none	Score	.46
Exons	44..706, 2517..2601, 2817..2970, 3018..3122, 4371..4492, 4577..4668		

Seq. No.	32085	Seq. ID	OJ991208_14.0104.C5
Gene No.	66388	Strand	-
Start	6816	End	7283
Name	OJ991208_14.0104.C5.o2.gs	Method	GENSCAN
Start	6816	End	7283
GI	none	Score	.71
Exons	6816..7023, 7156..7283		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66389	Strand	+
Start	1	End	4081
Name	OJ991208_14.0104.C6.o1.np	Method	AAT/NAP
Start	1	End	4081
GI	2244915	Score	101
Exons	1..35, 2112..2380, 4024..4081		
GI Descrip.	(Z97339) reverse transcriptase like protein [Arabidopsis thaliana]		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66389	Strand	+
Start	1	End	4081
Name	OJ991208_14.0104.C6.o1.gs	Method	GENSCAN

Start	315	End	3328
GI	none	Score	.52
Exons	315..374, 2084..2198, 2579..2805, 3227..3328		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66390	Strand	+
Start	6267	End	7106
Name	OJ991208_14.0104.C6.o1.gp	Method	AAT/GAP
Start	5800	End	6046
GI	52217_1.R1084	Score	415
Exons	5800..6046		
GI Descrip.	'3688528/emb|CAA06243.1| 1.0e-14 (AJ004958) pre-pro-TPE4A protein [Pisum sativum]'		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66390	Strand	+
Start	6267	End	7106
Name	OJ991208_14.0104.C6.o2.gs	Method	GENSCAN
Start	6267	End	7106
GI	none	Score	.89
Exons	6267..7106		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327
Name	OJ991208_14.0104.C6.o3.tm	Method	TBLASTX:Maize
Start	2116	End	2364
GI	none	Score	225
Exons	2116..2364, 2190..2330		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327
Name	OJ991208_14.0104.C6.o2.tw	Method	TBLASTX:Wheat
Start	2124	End	2496
GI	none	Score	173
Exons	2124..2318, 2125..2319, 2320..2352, 2404..2496		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327
Name	OJ991208_14.0104.C6.o1.tm	Method	TBLASTX:Maize
Start	2401	End	2853
GI	none	Score	311
Exons	2401..2655, 2404..2766, 2448..2759, 2797..2853, 2802..2840		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327
Name	OJ991208_14.0104.C6.o1.tw	Method	TBLASTX:Wheat
Start	2596	End	2959
GI	none	Score	223
Exons	2596..2856, 2709..2843, 2850..2957, 2861..2959		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327

Name	OJ991208_14.0104.C6.o2.ts	Method	TBLASTX:Soybean
Start	10966	End	11303
GI	none	Score	130
Exons	10966..11085, 10969..11082, 10971..11093, 10971..11090, 11082..11153, 11082..11129, 11083..11154, 11084..11155, 11162..11278, 11176..11277, 11178..11303		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327
Name	OJ991208_14.0104.C6.o1.tc	Method	TBLASTX:Cress
Start	10969	End	11155
GI	none	Score	139
Exons	10969..11088, 10971..11087, 11082..11153, 11083..11154, 11084..11155		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327
Name	OJ991208_14.0104.C6.o4.tm	Method	TBLASTX:Maize
Start	11057	End	11278
GI	none	Score	51
Exons	11057..11086, 11062..11088, 11063..11089, 11069..11164, 11082..11171, 11082..11129, 11083..11190, 11084..11167, 11176..11277, 11177..11278		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327
Name	OJ991208_14.0104.C6.o2.np	Method	AAT/NAP
Start	11546	End	16219
GI	5734705	Score	159
Exons	11546..11631, 12338..12562, 14029..14143, 15877..16007, 16129..16219		
GI Descrip.	(AC008075) F24J5.4 [Arabidopsis thaliana] gi|6524187|gb|AAF15072.1|AC011914_14 (AC011914) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327
Name	OJ991208_14.0104.C6.o4.gs	Method	GENSCAN
Start	14893	End	16327
GI	none	Score	.71
Exons	14893..15033, 15057..15444, 15528..15697, 15724..15898, 15981..16327		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327
Name	OJ991208_14.0104.C6.o1.ts	Method	TBLASTX:Soybean
Start	14976	End	16066
GI	none	Score	74
Exons	14976..15098, 15004..15099, 15168..15383, 15202..15381, 15421..15543, 15556..15735, 15557..15718, 15769..15876, 15902..15967, 15968..16066		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327
Name	OJ991208_14.0104.C6.o3.np	Method	AAT/NAP
Start	14997	End	16321
GI	5042418	Score	278
Exons	14997..16321		
GI Descrip.	(AC006193) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	32086	Seq. ID	OJ991208_14.0104.C6
Gene No.	66391	Strand	-
Start	11546	End	16327
Name	OJ991208_14.0104.C6.o2.tm	Method	TBLASTX:Maize
Start	15421	End	15849
GI	none	Score	57
Exons	15421..15504, 15431..15505, 15589..15774, 15596..15736, 15769..15849		

Seq. No.	32087	Seq. ID	OJ991208_14.0104.C8
Gene No.	66392	Strand	+
Start	1	End	2884
Name	OJ991208_14.0104.C8.o1.np	Method	AAT/NAP
Start	1	End	2884
GI	2632252	Score	69
Exons	1..43, 2420..2499, 2550..2598, 2810..2884		
GI Descrip.	(Y12464) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	32087	Seq. ID	OJ991208_14.0104.C8
Gene No.	66393	Strand	-
Start	553	End	9541
Name	OJ991208_14.0104.C8.o1.gs	Method	GENSCAN
Start	553	End	9189
GI	none	Score	.67
Exons	553..672, 1933..1979, 2924..2950, 4550..4670, 4707..4787, 4805..5084, 5339..5606, 5698..5996, 6089..6857, 6940..7090, 7644..7757, 8094..9189		

Seq. No.	32087	Seq. ID	OJ991208_14.0104.C8
Gene No.	66393	Strand	-
Start	553	End	9541
Name	OJ991208_14.0104.C8.o2.np	Method	AAT/NAP
Start	4160	End	9541
GI	5441880	Score	1270
Exons	4160..4306, 4743..5053, 5339..5592, 5690..5990, 6509..6814, 6921..7094, 7663..7959, 8221..8270, 8712..9541		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32087	Seq. ID	OJ991208_14.0104.C8
Gene No.	66393	Strand	-
Start	553	End	9541
Name	OJ991208_14.0104.C8.o1.tw	Method	TBLASTX:Wheat
Start	8473	End	8860
GI	none	Score	67
Exons	8473..8670, 8553..8636, 8569..8658, 8615..8662, 8683..8859, 8710..8859, 8711..8860		

Seq. No.	32087	Seq. ID	OJ991208_14.0104.C8
Gene No.	66393	Strand	-
Start	553	End	9541
Name	OJ991208_14.0104.C8.o1.tm	Method	TBLASTX:Maize
Start	8569	End	9151
GI	none	Score	44
Exons	8569..8649, 8621..8647, 8689..8997, 8693..8998, 8998..9150, 9029..9151		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66394	Strand	+
Start	438	End	2021
Name	OJ991208_14.0104.C9.o1.gs	Method	GENSCAN
Start	438	End	2021
GI	none	Score	.8
Exons	438..637, 1454..1801, 2012..2021		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66395	Strand	+
Start	3373	End	3735
Name	OJ991208_14.0104.C9.o2.gs	Method	GENSCAN
Start	3373	End	3735
GI	none	Score	.51
Exons	3373..3735		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66396	Strand	+
Start	3654	End	8197
Name	OJ991208_14.0104.C9.o1.np	Method	AAT/NAP
Start	3654	End	8197
GI	2191151	Score	420
Exons	3654..3739, 5018..5214, 5245..6247, 8155..8197		
GI Descrip.	(AF007269) contains similarity to membrane associated salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66396	Strand	+
Start	3654	End	8197
Name	OJ991208_14.0104.C9.o3.gs	Method	GENSCAN
Start	4787	End	6295
GI	none	Score	1
Exons	4787..6295		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66397	Strand	+
Start	13932	End	25659
Name	OJ991208_14.0104.C9.o2.np	Method	AAT/NAP
Start	13932	End	19892
GI	4680203	Score	1505
Exons	13932..14081, 15818..16990, 17060..17164, 17324..17551, 17828..18571, 19809..19892		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66397	Strand	+
Start	13932	End	25659

Name	OJ991208_14.0104.C9.o7.gs	Method	GENSCAN
Start	15536	End	25659
GI	none	Score	.46
Exons	15536..15906, 16111..16364, 16626..17636, 17832..18226, 18266..18496, 19377..19895, 20508..20759, 20845..21513, 21676..22684, 24005..24132, 24137..24528, 25142..25202, 25474..25659		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66398	Strand	+
Start	26556	End	42366
Name	OJ991208_14.0104.C9.o8.gs	Method	GENSCAN
Start	26556	End	42094
GI	none	Score	.65
Exons	26556..26608, 27662..27915, 29379..29425, 31896..32157, 32514..32758, 34121..34255, 35811..35956, 36127..36430, 36524..36606, 37562..37682, 39074..39417, 39979..40129, 40626..41453, 41578..41672, 41726..41859, 41898..42094		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66398	Strand	+
Start	26556	End	42366
Name	OJ991208_14.0104.C9.o4.np	Method	AAT/NAP
Start	39137	End	40986
GI	5042448	Score	340
Exons	39137..39479, 40877..40986		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66398	Strand	+
Start	26556	End	42366
Name	OJ991208_14.0104.C9.o5.np	Method	AAT/NAP
Start	39983	End	42366
GI	5042454	Score	2389
Exons	39983..40133, 40464..40570, 40626..42366		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66399	Strand	-
Start	8615	End	9211
Name	OJ991208_14.0104.C9.o4.gs	Method	GENSCAN
Start	8615	End	9211
GI	none	Score	.71
Exons	8615..8815, 8990..9211		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66400	Strand	-
Start	10388	End	11866
Name	OJ991208_14.0104.C9.o5.gs	Method	GENSCAN
Start	10388	End	11866
GI	none	Score	.8
Exons	10388..11866		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66401	Strand	-
Start	12446	End	14353

Name	OJ991208_14.0104.C9.o3.tc	Method	TBLASTX:Cress
Start	5729	End	5926
GI	none	Score	229
Exons	5729..5926, 5747..5911		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66401	Strand	-
Start	12446	End	14353
Name	OJ991208_14.0104.C9.o3.ts	Method	TBLASTX:Soybean
Start	5729	End	5932
GI	none	Score	232
Exons	5729..5932, 5770..5907		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66401	Strand	-
Start	12446	End	14353
Name	OJ991208_14.0104.C9.o4.tm	Method	TBLASTX:Maize
Start	5729	End	5932
GI	none	Score	232
Exons	5729..5932, 5770..5907, 5774..5932		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66401	Strand	-
Start	12446	End	14353
Name	OJ991208_14.0104.C9.o2.ts	Method	TBLASTX:Soybean
Start	9503	End	10624
GI	none	Score	228
Exons	9503..9721, 9836..10003, 10175..10240, 10316..10624		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66401	Strand	-
Start	12446	End	14353
Name	OJ991208_14.0104.C9.o5.tm	Method	TBLASTX:Maize
Start	10308	End	10645
GI	none	Score	120
Exons	10308..10637, 10349..10645		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66401	Strand	-
Start	12446	End	14353
Name	OJ991208_14.0104.C9.o6.gs	Method	GENSCAN
Start	12446	End	14353
GI	none	Score	.59
Exons	12446..12462, 12754..12954, 13018..13151, 13706..13733, 13923..13973, 14146..14353		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66402	Strand	
Start	15875	End	16555
Name	OJ991208_14.0104.C9.o2.tw	Method	TBLASTX:Wheat
Start	15875	End	16459
GI	none	Score	224
Exons	15875..16165, 15931..16185, 16081..16170, 16214..16333, 16220..16339, 16239..16340, 16331..16459		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66402	Strand	

Start	15875	End	16555
Name	OJ991208_14.0104.C9.o1.ts	Method	TBLASTX:Soybean
Start	15887	End	16170
GI	none	Score	289
Exons	15887..16165, 15910..16170		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66402	Strand	
Start	15875	End	16555
Name	OJ991208_14.0104.C9.o2.tc	Method	TBLASTX:Cress
Start	16202	End	16555
GI	none	Score	262
Exons	16202..16555, 16297..16500		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66402	Strand	
Start	15875	End	16555
Name	OJ991208_14.0104.C9.o2.tm	Method	TBLASTX:Maize
Start	16297	End	16534
GI	none	Score	252
Exons	16297..16518, 16328..16534, 16331..16534		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66403	Strand	
Start	16463	End	16806
Name	OJ991208_14.0104.C9.o4.tw	Method	TBLASTX:Wheat
Start	16463	End	16806
GI	none	Score	50
Exons	16463..16495, 16505..16588, 16507..16599, 16649..16747, 16661..16723, 16756..16806, 16757..16795		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66404	Strand	
Start	17411	End	18639
Name	OJ991208_14.0104.C9.o1.tm	Method	TBLASTX:Maize
Start	17411	End	17794
GI	none	Score	59
Exons	17411..17479, 17479..17790, 17480..17794, 17480..17791		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66404	Strand	
Start	17411	End	18639
Name	OJ991208_14.0104.C9.o1.tw	Method	TBLASTX:Wheat
Start	17435	End	18639
GI	none	Score	556
Exons	17435..18148, 17488..17964, 18169..18342, 18203..18358, 18347..18451, 18377..18433, 18464..18568, 18469..18561, 18580..18639		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66404	Strand	
Start	17411	End	18639
Name	OJ991208_14.0104.C9.o1.tc	Method	TBLASTX:Cress
Start	17725	End	18148
GI	none	Score	320
Exons	17725..17964, 17726..18148		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66404	Strand	
Start	17411	End	18639
Name	OJ991208_14.0104.C9.o3.tm	Method	TBLASTX:Maize
Start	18044	End	18339
GI	none	Score	152
Exons	18044..18214, 18218..18337, 18226..18339		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66405	Strand	
Start	41298	End	41690
Name	OJ991208_14.0104.C9.o3.tw	Method	TBLASTX:Wheat
Start	41298	End	41690
GI	none	Score	58
Exons	41298..41345, 41352..41450, 41357..41449, 41417..41656, 41433..41690		

Seq. No.	32088	Seq. ID	OJ991208_14.0104.C9
Gene No.	66405	Strand	
Start	41298	End	41690
Name	OJ991208_14.0104.C9.o6.tm	Method	TBLASTX:Maize
Start	41303	End	41588
GI	none	Score	192
Exons	41303..41587, 41340..41588		

Seq. No.	32089	Seq. ID	OJ991208_14.0104.C10
Gene No.	66406	Strand	+
Start	154	End	267
Name	OJ991208_14.0104.C10.o1.gs	Method	GENSCAN
Start	154	End	267
GI	none	Score	.91
Exons	154..267		

Seq. No.	32090	Seq. ID	OJ991208_14.0104.C11
Gene No.	66407	Strand	+
Start	28	End	739
Name	OJ991208_14.0104.C11.o1.gs	Method	GENSCAN
Start	28	End	739
GI	none	Score	.8
Exons	28..175, 621..739		

Seq. No.	32090	Seq. ID	OJ991208_14.0104.C11
Gene No.	66408	Strand	-
Start	2072	End	4080
Name	OJ991208_14.0104.C11.o1.np	Method	AAT/NAP
Start	2072	End	4080
GI	6630696	Score	209
Exons	2072..2324, 4044..4080		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	32091	Seq. ID	OJ991208_14.0104.C12
Gene No.	66409	Strand	-
Start	480	End	685
Name	OJ991208_14.0104.C12.o1.gs	Method	GENSCAN
Start	480	End	685

GI	none	Score	.43
Exons	480..685		

Seq. No.	32092	Seq. ID	OJ991208_14.0104.C15
Gene No.	66410	Strand	+
Start	846	End	1274
Name	OJ991208_14.0104.C15.o1.gs	Method	GENSCAN
Start	846	End	1274
GI	none	Score	.86
Exons	846..1274		

Seq. No.	32092	Seq. ID	OJ991208_14.0104.C15
Gene No.	66411	Strand	+
Start	1933	End	4668
Name	OJ991208_14.0104.C15.o2.gs	Method	GENSCAN
Start	1933	End	4668
GI	none	Score	.65
Exons	1933..1985, 2657..2698, 2773..3105, 3116..3230, 4540..4668		

Seq. No.	32093	Seq. ID	OJ991208_14.0104.C19
Gene No.	66412	Strand	-
Start	772	End	1784
Name	OJ991208_14.0104.C19.o1.gs	Method	GENSCAN
Start	772	End	1784
GI	none	Score	.86
Exons	772..1004, 1733..1784		

Seq. No.	32094	Seq. ID	OJ991208_14.0104.C20
Gene No.	66413	Strand	+
Start	2810	End	4426
Name	OJ991208_14.0104.C20.o1.gs	Method	GENSCAN
Start	2810	End	4426
GI	none	Score	.79
Exons	2810..4426		

Seq. No.	32094	Seq. ID	OJ991208_14.0104.C20
Gene No.	66414	Strand	+
Start	8218	End	8432
Name	OJ991208_14.0104.C20.o3.gs	Method	GENSCAN
Start	8218	End	8432
GI	none	Score	.94
Exons	8218..8298, 8373..8432		

Seq. No.	32094	Seq. ID	OJ991208_14.0104.C20
Gene No.	66415	Strand	-
Start	12875	End	12945
Name	OJ991208_14.0104.C20.o1.tw	Method	TBLASTX:Wheat
Start	9468	End	9822
GI	none	Score	80
Exons	9468..9677, 9544..9675, 9691..9822, 9717..9791		

Seq. No.	32094	Seq. ID	OJ991208_14.0104.C20
Gene No.	66415	Strand	-
Start	12875	End	12945
Name	OJ991208_14.0104.C20.o5.gs	Method	GENSCAN
Start	12875	End	12945
GI	none	Score	.98

Exons	12875..12945		
Seq. No.	32095	Seq. ID	OJ991028_15.0118.C1
Gene No.	66416	Strand	+
Start	440	End	656
Name	OJ991028_15.0118.C1.o1.gs	Method	GENSCAN
Start	440	End	656
GI	none	Score	.4
Exons	440..656		
Seq. No.	32096	Seq. ID	OJ991028_15.0118.C3
Gene No.	66417	Strand	+
Start	1	End	678
Name	OJ991028_15.0118.C3.o1.np	Method	AAT/NAP
Start	1	End	678
GI	2459926	Score	192
Exons	1..100, 199..411, 499..678		
GI Descrip.	(AF006197) annexin [Lavatera thuringiaca]		
Seq. No.	32096	Seq. ID	OJ991028_15.0118.C3
Gene No.	66417	Strand	+
Start	1	End	678
Name	OJ991028_15.0118.C3.o1.tc	Method	TBLASTX:Cress
Start	7	End	411
GI	none	Score	82
Exons	7..126, 8..127, 190..396, 196..411, 198..410		
Seq. No.	32096	Seq. ID	OJ991028_15.0118.C3
Gene No.	66417	Strand	+
Start	1	End	678
Name	OJ991028_15.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	7	End	588
GI	none	Score	90
Exons	7..102, 8..103, 196..411, 198..275, 223..372, 324..413, 448..510, 535..588		
Seq. No.	32096	Seq. ID	OJ991028_15.0118.C3
Gene No.	66417	Strand	+
Start	1	End	678
Name	OJ991028_15.0118.C3.o1.tm	Method	TBLASTX:Maize
Start	8	End	612
GI	none	Score	78
Exons	8..103, 196..411, 523..612		
Seq. No.	32096	Seq. ID	OJ991028_15.0118.C3
Gene No.	66417	Strand	+
Start	1	End	678
Name	OJ991028_15.0118.C3.o1.tw	Method	TBLASTX:Wheat
Start	46	End	411
GI	none	Score	169
Exons	46..129, 196..411, 198..386		
Seq. No.	32096	Seq. ID	OJ991028_15.0118.C3
Gene No.	66417	Strand	+
Start	1	End	678
Name	OJ991028_15.0118.C3.o1.gs	Method	GENSCAN
Start	215	End	585

GI	none	Score	.56
Exons	215..411, 466..585		

Seq. No.	32097	Seq. ID	OJ991028_15.0118.C5
Gene No.	66418	Strand	-
Start	24	End	323
Name	OJ991028_15.0118.C5.o1.gs	Method	GENSCAN
Start	24	End	323
GI	none	Score	.65
Exons	24..115, 242..323		

Seq. No.	32098	Seq. ID	OJ991028_15.0118.C6
Gene No.	66419	Strand	-
Start	297	End	666
Name	OJ991028_15.0118.C6.o1.np	Method	AAT/NAP
Start	297	End	666
GI	4512231	Score	502
Exons	297..666		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	32099	Seq. ID	OJ991028_15.0118.C7
Gene No.	66420	Strand	+
Start	1	End	697
Name	OJ991028_15.0118.C7.o1.np	Method	AAT/NAP
Start	1	End	697
GI	5042454	Score	885
Exons	1..155, 211..697		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32100	Seq. ID	OJ991028_15.0118.C8
Gene No.	66421	Strand	-
Start	1	End	526
Name	OJ991028_15.0118.C8.o1.np	Method	AAT/NAP
Start	1	End	492
GI	3021275	Score	105
Exons	1..52, 115..492		
GI Descrip.	(AL022347) putative protein [Arabidopsis thaliana]		

Seq. No.	32100	Seq. ID	OJ991028_15.0118.C8
Gene No.	66421	Strand	-
Start	1	End	526
Name	OJ991028_15.0118.C8.o1.gs	Method	GENSCAN
Start	60	End	526
GI	none	Score	.65
Exons	60..526		

Seq. No.	32101	Seq. ID	OJ991028_15.0118.C9
Gene No.	66422	Strand	+
Start	133	End	195
Name	OJ991028_15.0118.C9.o1.gs	Method	GENSCAN
Start	133	End	195
GI	none	Score	.49
Exons	133..195		

Seq. No.	32102	Seq. ID	OJ991028_15.0118.C10
Gene No.	66423	Strand	-
Start	1	End	1710

Name	OJ991028_15.0118.C10.o1.np	Method	AAT/NAP
Start	1	End	1710
GI	6815052	Score	346
Exons	1..47, 711..810, 1110..1231, 1497..1578, 1659..1710		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	32103	Seq. ID	OJ991028_15.0118.C11
Gene No.	66424	Strand	+
Start	1	End	751
Name	OJ991028_15.0118.C11.o1.np	Method	AAT/NAP
Start	1	End	751
GI	4680179	Score	819
Exons	1..751		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32103	Seq. ID	OJ991028_15.0118.C11
Gene No.	66424	Strand	+
Start	1	End	751
Name	OJ991028_15.0118.C11.o3.tw	Method	TBLASTX:Wheat
Start	32	End	199
GI	none	Score	197
Exons	32..199, 38..121, 40..195, 42..197		

Seq. No.	32103	Seq. ID	OJ991028_15.0118.C11
Gene No.	66424	Strand	+
Start	1	End	751
Name	OJ991028_15.0118.C11.o2.tm	Method	TBLASTX:Maize
Start	40	End	379
GI	none	Score	160
Exons	40..174, 41..220, 227..379, 250..378		

Seq. No.	32103	Seq. ID	OJ991028_15.0118.C11
Gene No.	66424	Strand	+
Start	1	End	751
Name	OJ991028_15.0118.C11.o1.ts	Method	TBLASTX:Soybean
Start	131	End	481
GI	none	Score	370
Exons	131..481, 133..480		

Seq. No.	32103	Seq. ID	OJ991028_15.0118.C11
Gene No.	66424	Strand	+
Start	1	End	751
Name	OJ991028_15.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	203	End	570
GI	none	Score	262
Exons	203..481, 241..462, 487..570		

Seq. No.	32103	Seq. ID	OJ991028_15.0118.C11
Gene No.	66424	Strand	+
Start	1	End	751
Name	OJ991028_15.0118.C11.o1.tm	Method	TBLASTX:Maize
Start	382	End	751
GI	none	Score	44
Exons	382..438, 422..484, 484..576, 489..587, 547..750, 560..751		

Seq. No.	32103	Seq. ID	OJ991028_15.0118.C11
Gene No.	66424	Strand	+

Start	1	End	751
Name	OJ991028_15.0118.C11.o2.tw	Method	TBLASTX:Wheat
Start	572	End	751
GI	none	Score	222
Exons	572..748, 581..751, 586..750		

Seq. No.	32104	Seq. ID	OJ991028_15.0118.C14
Gene No.	66425	Strand	+
Start	1	End	670
Name	OJ991028_15.0118.C14.o1.np	Method	AAT/NAP
Start	1	End	670
GI	6010777	Score	83
Exons	1..49, 581..670		
GI Descrip.	(AF188832) annexin [Fragaria x ananassa]		

Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66426	Strand	+
Start	927	End	8347
Name	OJ991028_15.0118.C15.o1.gs	Method	GENSCAN
Start	927	End	5432
GI	none	Score	.46
Exons	927..1033, 1896..2008, 2108..2307, 4052..4244, 4328..4948, 5412..5432		

Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66426	Strand	+
Start	927	End	8347
Name	OJ991028_15.0118.C15.o1.np	Method	AAT/NAP
Start	3201	End	8347
GI	5042447	Score	656
Exons	3201..3279, 4042..5070, 8150..8347		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66427	Strand	+
Start	14127	End	17469
Name	OJ991028_15.0118.C15.o3.np	Method	AAT/NAP
Start	14127	End	17469
GI	6721516	Score	119
Exons	14127..14172, 15876..16075, 16114..16159, 17371..17469		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66428	Strand	+
Start	18008	End	18211
Name	OJ991028_15.0118.C15.o5.np	Method	AAT/NAP
Start	18008	End	18211
GI	5852181	Score	124
Exons	18008..18211		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o2.tw	Method	TBLASTX:Wheat
Start	4418	End	4783
GI	none	Score	276

Exons	4418..4783, 4570..4608		
Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o4.tm	Method	TBLASTX:Maize
Start	4418	End	4753
GI	none	Score	232
Exons	4418..4753		
Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o2.gs	Method	GENSCAN
Start	5929	End	19245
GI	none	Score	.45
Exons	5929..6489, 6527..6566, 6577..6744, 8937..9408, 10053..10332, 10417..10541, 11442..11562, 11656..11951, 12328..12483, 14408..14750, 15170..15585, 17833..17912, 19203..19245		
Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o4.np	Method	AAT/NAP
Start	12651	End	17411
GI	5257279	Score	96
Exons	12651..12702, 17300..17411		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o1.tm	Method	TBLASTX:Maize
Start	13697	End	14384
GI	none	Score	70
Exons	13697..13819, 13707..14375, 13722..14384, 13867..14382		
Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o2.np	Method	AAT/NAP
Start	13716	End	17780
GI	4416302	Score	2043
Exons	13716..15703, 17758..17780		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o2.ts	Method	TBLASTX:Soybean
Start	13734	End	14375
GI	none	Score	44
Exons	13734..13958, 13870..13950, 13992..14363, 13992..14375, 13999..14370		
Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15

Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o1.tc	Method	TBLASTX:Cress
Start	13737	End	14195
GI	none	Score	69
Exons	13737..13982, 13968..14102, 14106..14195		

Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o3.tw	Method	TBLASTX:Wheat
Start	14139	End	14576
GI	none	Score	94
Exons	14139..14396, 14427..14576		

Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o5.tm	Method	TBLASTX:Maize
Start	14417	End	14583
GI	none	Score	89
Exons	14417..14488, 14417..14578, 14421..14579, 14421..14582, 14434..14583		

Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o2.tm	Method	TBLASTX:Maize
Start	14625	End	15092
GI	none	Score	125
Exons	14625..14936, 14625..15092, 14626..15090, 14976..15092		

Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o1.ts	Method	TBLASTX:Soybean
Start	14752	End	15364
GI	5509260	Score	264
Exons	14752..15096, 14752..15015, 14757..15095, 15086..15364, 15087..15254, 15104..15271		
GI Descrip.	-		

Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o1.tw	Method	TBLASTX:Wheat
Start	14760	End	15220
GI	none	Score	62
Exons	14760..14936, 14766..15095, 14767..15096, 14982..15104, 15113..15139, 15146..15220		

Seq. No.	32105	Seq. ID	OJ991028_15.0118.C15
Gene No.	66429	Strand	-
Start	5929	End	19245
Name	OJ991028_15.0118.C15.o3.tm	Method	TBLASTX:Maize
Start	15095	End	15418
GI	none	Score	185

Exons	15095..15142, 15096..15359, 15131..15418		
Seq. No.	32106	Seq. ID	OJ991028_15.0118.C16
Gene No.	66430	Strand	+
Start	241	End	585
Name	OJ991028_15.0118.C16.o1.gs	Method	GENSCAN
Start	241	End	585
GI	none	Score	.59
Exons	241..288, 400..585		
Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66431	Strand	+
Start	4132	End	14383
Name	OJ991028_15.0118.C17.o3.np	Method	AAT/NAP
Start	4132	End	14383
GI	5852180	Score	519
Exons	4132..4165, 7684..7754, 8734..8852, 8904..9350, 14355..14383		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66431	Strand	+
Start	4132	End	14383
Name	OJ991028_15.0118.C17.o2.gs	Method	GENSCAN
Start	10757	End	11284
GI	none	Score	.6
Exons	10757..11284		
Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66431	Strand	+
Start	4132	End	14383
Name	OJ991028_15.0118.C17.o4.np	Method	AAT/NAP
Start	11459	End	13569
GI	6466937	Score	248
Exons	11459..11651, 11800..12136, 13522..13569		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66432	Strand	-
Start	272	End	9433
Name	OJ991028_15.0118.C17.o1.gs	Method	GENSCAN
Start	272	End	9433
GI	none	Score	.73
Exons	272..909, 979..1066, 1196..1943, 2247..4137, 4158..4180, 4194..4508, 4638..4789, 5018..5046, 5094..5461, 5505..5611, 6205..6714, 7816..7911, 8828..8906, 9060..9433		
Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66432	Strand	-
Start	272	End	9433
Name	OJ991028_15.0118.C17.o1.np	Method	AAT/NAP
Start	275	End	4792
GI	4680179	Score	5346
Exons	275..3676, 3710..4792		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17

Gene No.	66432	Strand	-
Start	272	End	9433
Name	OJ991028_15.0118.C17.o1.gp	Method	AAT/GAP
Start	5426	End	5778
GI	25792_1.R1084	Score	649
Exons	5426..5778		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66432	Strand	-
Start	272	End	9433
Name	OJ991028_15.0118.C17.o2.gp	Method	AAT/GAP
Start	5954	End	6348
GI	2312718	Score	649
Exons	5954..6348		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66432	Strand	-
Start	272	End	9433
Name	OJ991028_15.0118.C17.o3.gp	Method	AAT/GAP
Start	7603	End	7984
GI	uC-osflcyp033a04b1	Score	655
Exons	7603..7984		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o6.tw	Method	TBLASTX:Wheat
Start	320	End	12137
GI	none	Score	100
Exons	320..652, 362..649, 384..653, 12015..12092, 12090..12137		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o2.tm	Method	TBLASTX:Maize
Start	500	End	12137
GI	none	Score	207
Exons	500..940, 516..938, 938..1099, 945..1100, 11456..11581, 11629..11652, 12015..12095, 12099..12137		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o1.tw	Method	TBLASTX:Wheat
Start	653	End	11652
GI	none	Score	91
Exons	653..1279, 656..907, 765..1223, 11459..11581, 11590..11652		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581

Name	OJ991028_15.0118.C17.o5.tm	Method	TBLASTX:Maize
Start	1148	End	1439
GI	none	Score	211
Exons	1148..1438, 1152..1439		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o4.ts	Method	TBLASTX:Soybean
Start	1238	End	1493
GI	none	Score	143
Exons	1238..1492, 1239..1493		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o2.tc	Method	TBLASTX:Cress
Start	1262	End	1627
GI	none	Score	85
Exons	1262..1405, 1263..1403, 1406..1579, 1592..1627		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o2.tw	Method	TBLASTX:Wheat
Start	1286	End	1853
GI	none	Score	340
Exons	1286..1822, 1287..1853		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o3.tm	Method	TBLASTX:Maize
Start	1844	End	2207
GI	none	Score	161
Exons	1844..2206, 1853..2206, 1857..2207		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o3.tw	Method	TBLASTX:Wheat
Start	1856	End	2278
GI	none	Score	322
Exons	1856..2278, 1857..2249		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o5.ts	Method	TBLASTX:Soybean
Start	2027	End	2272
GI	none	Score	203
Exons	2027..2272		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o4.tm	Method	TBLASTX:Maize

Start	2243	End	2743
GI	none	Score	50
Exons	2243..2557, 2286..2336, 2364..2492, 2564..2743, 2616..2735		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o5.tw	Method	TBLASTX:Wheat
Start	2279	End	2581
GI	none	Score	307
Exons	2279..2581, 2295..2579, 2500..2580		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o2.ts	Method	TBLASTX:Soybean
Start	2294	End	2689
GI	none	Score	223
Exons	2294..2653, 2295..2585, 2620..2652, 2657..2689, 2658..2687		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o4.tw	Method	TBLASTX:Wheat
Start	2630	End	3116
GI	none	Score	261
Exons	2630..3007, 2688..3116, 3062..3112		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o6.tm	Method	TBLASTX:Maize
Start	2811	End	3101
GI	none	Score	184
Exons	2811..3101, 2813..3100		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o8.tw	Method	TBLASTX:Wheat
Start	3281	End	3650
GI	none	Score	68
Exons	3281..3394, 3282..3395, 3440..3649, 3441..3650		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o7.tm	Method	TBLASTX:Maize
Start	3330	End	3685
GI	none	Score	45
Exons	3330..3395, 3332..3685, 3516..3599		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o7.tw	Method	TBLASTX:Wheat
Start	4196	End	4556

GI	none	Score	133
Exons	4196..4555, 4197..4556		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o4.gp	Method	AAT/GAP
Start	12818	End	13362
GI	none	Score	980
Exons	12818..13362		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o1.tm	Method	TBLASTX:Maize
Start	12993	End	15364
GI	none	Score	340
Exons	12993..13280, 13012..13278, 13257..13454, 13267..13455, 13267..13467, 13283..13456, 14586..14672, 14590..14694, 14590..14700, 14592..14696, 14923..15363, 14923..15363, 14924..15364		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o3.gs	Method	GENSCAN
Start	13017	End	16400
GI	none	Score	.88
Exons	13017..13453, 14577..14692, 14924..15368, 16061..16400		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o1.tc	Method	TBLASTX:Cress
Start	13036	End	13307
GI	none	Score	209
Exons	13036..13305, 13047..13307, 13048..13305		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o1.ts	Method	TBLASTX:Soybean
Start	13047	End	14692
GI	none	Score	302
Exons	13047..13367, 13066..13368, 13124..13405, 13140..13415, 13362..13454, 13363..13455, 14575..14688, 14575..14688, 14597..14692		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o5.gp	Method	AAT/GAP
Start	13327	End	16095
GI	15192_1.R1084	Score	1303
Exons	13327..13453, 14577..14692, 14937..15368, 16061..16095		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o3.ts	Method	TBLASTX:Soybean
Start	15112	End	15364
GI	none	Score	333
Exons	15112..15363, 15113..15364, 15131..15364		

Seq. No.	32107	Seq. ID	OJ991028_15.0118.C17
Gene No.	66433	Strand	-
Start	13017	End	16581
Name	OJ991028_15.0118.C17.o6.gp	Method	AAT/GAP
Start	16253	End	16581
GI	5038612	Score	650
Exons	16253..16581		

Seq. No.	32108	Seq. ID	OJ991028_15.0118.C18
Gene No.	66434	Strand	+
Start	1032	End	2100
Name	OJ991028_15.0118.C18.o1.gs	Method	GENSCAN
Start	1032	End	1901
GI	none	Score	.47
Exons	1032..1090, 1636..1901		

Seq. No.	32108	Seq. ID	OJ991028_15.0118.C18
Gene No.	66434	Strand	+
Start	1032	End	2100
Name	OJ991028_15.0118.C18.o1.np	Method	AAT/NAP
Start	1632	End	2100
GI	6815052	Score	216
Exons	1632..1870, 2069..2100		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	32109	Seq. ID	OJ991028_15.0118.C20
Gene No.	66435	Strand	-
Start	1	End	789
Name	OJ991028_15.0118.C20.o1.np	Method	AAT/NAP
Start	1	End	789
GI	2995405	Score	804
Exons	1..789		
GI Descrip.	(Y12432) polyprotein [Ananas comosus]		

Seq. No.	32109	Seq. ID	OJ991028_15.0118.C20
Gene No.	66435	Strand	-
Start	1	End	789
Name	OJ991028_15.0118.C20.o1.tm	Method	TBLASTX:Maize
Start	7	End	375
GI	none	Score	116
Exons	7..108, 11..109, 87..374, 105..374, 184..375		

Seq. No.	32109	Seq. ID	OJ991028_15.0118.C20
Gene No.	66435	Strand	-
Start	1	End	789
Name	OJ991028_15.0118.C20.o1.tw	Method	TBLASTX:Wheat
Start	40	End	629
GI	none	Score	63

Exons	40..108, 41..112, 105..374, 258..374, 268..387, 373..450, 374..442, 459..629, 472..624		
Seq. No.	32109	Seq. ID	OJ991028_15.0118.C20
Gene No.	66435	Strand	-
Start	1	End	789
Name	OJ991028_15.0118.C20.o2.tm	Method	TBLASTX:Maize
Start	504	End	786
GI	none	Score	130
Exons	504..785, 507..785, 586..786		
Seq. No.	32109	Seq. ID	OJ991028_15.0118.C20
Gene No.	66435	Strand	-
Start	1	End	789
Name	OJ991028_15.0118.C20.o1.ts	Method	TBLASTX:Soybean
Start	588	End	785
GI	none	Score	125
Exons	588..785, 600..785		
Seq. No.	32109	Seq. ID	OJ991028_15.0118.C20
Gene No.	66435	Strand	-
Start	1	End	789
Name	OJ991028_15.0118.C20.o2.tw	Method	TBLASTX:Wheat
Start	636	End	786
GI	none	Score	114
Exons	636..785, 637..786		
Seq. No.	32110	Seq. ID	OJ991028_15.0118.C23
Gene No.	66436	Strand	-
Start	1	End	650
Name	OJ991028_15.0118.C23.o1.np	Method	AAT/NAP
Start	1	End	650
GI	6815052	Score	582
Exons	1..362, 411..650		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	32111	Seq. ID	OJ991028_15.0118.C25
Gene No.	66437	Strand	-
Start	205	End	650
Name	OJ991028_15.0118.C25.o1.gs	Method	GENSCAN
Start	205	End	648
GI	none	Score	.57
Exons	205..648		
Seq. No.	32111	Seq. ID	OJ991028_15.0118.C25
Gene No.	66437	Strand	-
Start	205	End	650
Name	OJ991028_15.0118.C25.o1.np	Method	AAT/NAP
Start	239	End	650
GI	1628482	Score	143
Exons	239..650		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		
Seq. No.	32112	Seq. ID	OJ991028_15.0118.C26
Gene No.	66438	Strand	+
Start	1	End	95
Name	OJ991028_15.0118.C26.o1.gp	Method	AAT/GAP

Start	1	End	95
GI	13029_1.R1084	Score	140
Exons	1..95		
GI Descrip.	'3850823/emb|CAA77136| 4.0e-19 (Y18351) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]'		

Seq. No.	32113	Seq. ID	OJ991028_15.0118.C27
Gene No.	66439	Strand	+
Start	2352	End	5185
Name	OJ991028_15.0118.C27.o1.gs	Method	GENSCAN
Start	2352	End	4263
GI	none	Score	.79
Exons	2352..2405, 3650..3766, 3814..4263		

Seq. No.	32113	Seq. ID	OJ991028_15.0118.C27
Gene No.	66439	Strand	+
Start	2352	End	5185
Name	OJ991028_15.0118.C27.o3.np	Method	AAT/NAP
Start	3794	End	5185
GI	6063554	Score	181
Exons	3794..4020, 5011..5185		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32113	Seq. ID	OJ991028_15.0118.C27
Gene No.	66440	Strand	-
Start	2423	End	5504
Name	OJ991028_15.0118.C27.o1.tm	Method	TBLASTX:Maize
Start	1720	End	2349
GI	none	Score	71
Exons	1720..1764, 1722..1778, 1728..1766, 2019..2141, 2030..2140, 2031..2141, 2032..2142, 2032..2142, 2251..2349		

Seq. No.	32113	Seq. ID	OJ991028_15.0118.C27
Gene No.	66440	Strand	-
Start	2423	End	5504
Name	OJ991028_15.0118.C27.o2.np	Method	AAT/NAP
Start	2423	End	5504
GI	6498436	Score	371
Exons	2423..2544, 2796..3031, 3570..3684, 5447..5504		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	32113	Seq. ID	OJ991028_15.0118.C27
Gene No.	66440	Strand	-
Start	2423	End	5504
Name	OJ991028_15.0118.C27.o2.gs	Method	GENSCAN
Start	4461	End	4998
GI	none	Score	.9
Exons	4461..4591, 4917..4998		

Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66441	Strand	+
Start	1	End	3997
Name	OJ991028_15.0118.C28.o1.np	Method	AAT/NAP
Start	1	End	3997
GI	4680179	Score	5223

Exons	1..574, 602..3997		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66442	Strand	+
Start	6009	End	7343
Name	OJ991028_15.0118.C28.o2.np	Method	AAT/NAP
Start	6009	End	7343
GI	5852179	Score	292
Exons	6009..6029, 6854..7055, 7130..7343		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o7.tw	Method	TBLASTX:Wheat
Start	2	End	346
GI	none	Score	306
Exons	2..346, 23..190		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o6.tm	Method	TBLASTX:Maize
Start	11	End	334
GI	none	Score	243
Exons	11..334		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o8.tw	Method	TBLASTX:Wheat
Start	680	End	949
GI	none	Score	221
Exons	680..949		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o7.tm	Method	TBLASTX:Maize
Start	1031	End	1222
GI	none	Score	185
Exons	1031..1222, 1069..1176		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o4.tw	Method	TBLASTX:Wheat
Start	1159	End	1642
GI	none	Score	499
Exons	1159..1557, 1160..1642, 1271..1639		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o4.ts	Method	TBLASTX:Soybean
Start	1196	End	1510

GI	none	Score	193
Exons	1196..1510		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o4.tm	Method	TBLASTX:Maize
Start	1225	End	1672
GI	none	Score	345
Exons	1225..1467, 1229..1672		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o1.ts	Method	TBLASTX:Soybean
Start	1583	End	1978
GI	none	Score	57
Exons	1583..1615, 1583..1615, 1619..1672, 1621..1662, 1622..1948, 1727..1978, 1735..1968		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o5.tw	Method	TBLASTX:Wheat
Start	1711	End	1993
GI	none	Score	56
Exons	1711..1809, 1729..1992, 1730..1993		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o5.tm	Method	TBLASTX:Maize
Start	1727	End	2059
GI	none	Score	292
Exons	1727..2059, 1780..2058		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o3.tw	Method	TBLASTX:Wheat
Start	1994	End	2419
GI	none	Score	600
Exons	1994..2419, 1996..2412, 2069..2419		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o3.ts	Method	TBLASTX:Soybean
Start	2000	End	2248
GI	none	Score	207
Exons	2000..2248		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o2.tm	Method	TBLASTX:Maize
Start	2066	End	2419

GI	none	Score	465
Exons	2066..2419, 2071..2412		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o2.tw	Method	TBLASTX:Wheat
Start	2447	End	2986
GI	none	Score	610
Exons	2447..2986, 2629..2982		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o1.tc	Method	TBLASTX:Cress
Start	2684	End	3010
GI	none	Score	87
Exons	2684..2866, 2867..3010		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o2.ts	Method	TBLASTX:Soybean
Start	2774	End	3034
GI	none	Score	299
Exons	2774..3034, 2779..3033		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o3.tm	Method	TBLASTX:Maize
Start	2832	End	3124
GI	none	Score	110
Exons	2832..3119, 2833..3120, 2834..3124		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o1.tw	Method	TBLASTX:Wheat
Start	2993	End	3619
GI	none	Score	716
Exons	2993..3619, 2995..3498, 3191..3610, 3559..3618		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o1.tm	Method	TBLASTX:Maize
Start	3172	End	3757
GI	none	Score	229
Exons	3172..3327, 3173..3334, 3331..3492, 3332..3757, 3494..3736, 3559..3756		
Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o6.tw	Method	TBLASTX:Wheat
Start	3620	End	3952

GI	none	Score	313
Exons	3620..3736, 3622..3900, 3623..3952		

Seq. No.	32114	Seq. ID	OJ991028_15.0118.C28
Gene No.	66443	Strand	-
Start	8015	End	8237
Name	OJ991028_15.0118.C28.o3.gs	Method	GENSCAN
Start	8015	End	8237
GI	none	Score	.53
Exons	8015..8237		

Seq. No.	32115	Seq. ID	OJ991028_15.0118.C29
Gene No.	66444	Strand	-
Start	1	End	1740
Name	OJ991028_15.0118.C29.o1.np	Method	AAT/NAP
Start	1	End	1740
GI	6498436	Score	1277
Exons	1..851, 900..1020, 1654..1740		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	32115	Seq. ID	OJ991028_15.0118.C29
Gene No.	66444	Strand	-
Start	1	End	1740
Name	OJ991028_15.0118.C29.o1.gs	Method	GENSCAN
Start	31	End	1683
GI	none	Score	.53
Exons	31..1020, 1654..1683		

Seq. No.	32116	Seq. ID	OJ991028_15.0118.C30
Gene No.	66445	Strand	-
Start	320	End	352
Name	OJ991028_15.0118.C30.o1.gs	Method	GENSCAN
Start	320	End	352
GI	none	Score	.64
Exons	320..352		

Seq. No.	32117	Seq. ID	OJ991028_15.0118.C31
Gene No.	66446	Strand	-
Start	1	End	3035
Name	OJ991028_15.0118.C31.o1.np	Method	AAT/NAP
Start	1	End	1498
GI	4417306	Score	190
Exons	1..27, 1136..1498		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	32117	Seq. ID	OJ991028_15.0118.C31
Gene No.	66446	Strand	-
Start	1	End	3035
Name	OJ991028_15.0118.C31.o1.gs	Method	GENSCAN
Start	409	End	3035
GI	none	Score	.64
Exons	409..616, 767..864, 1128..1406, 1518..1690, 2951..3035		

Seq. No.	32118	Seq. ID	OJ991028_15.0118.C33
Gene No.	66447	Strand	+
Start	75	End	1255

Name	OJ991028_15.0118.C33.o1.gs	Method	GENSCAN
Start	75	End	1255
GI	none	Score	.57
Exons	75..843, 1162..1255		

Seq. No.	32119	Seq. ID	OJ991028_15.0118.C34
Gene No.	66448	Strand	+
Start	3575	End	5318
Name	OJ991028_15.0118.C34.o4.tm	Method	TBLASTX:Maize
Start	3520	End	3798
GI	none	Score	59
Exons	3520..3567, 3531..3560, 3532..3705, 3616..3651, 3624..3797, 3703..3798, 3716..3787, 3772..3798		

Seq. No.	32119	Seq. ID	OJ991028_15.0118.C34
Gene No.	66448	Strand	+
Start	3575	End	5318
Name	OJ991028_15.0118.C34.o1.np	Method	AAT/NAP
Start	3575	End	5112
GI	2618699	Score	1271
Exons	3575..4518, 4558..5112		
GI Descrip.	(AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	32119	Seq. ID	OJ991028_15.0118.C34
Gene No.	66448	Strand	+
Start	3575	End	5318
Name	OJ991028_15.0118.C34.o3.tm	Method	TBLASTX:Maize
Start	3855	End	4044
GI	none	Score	95
Exons	3855..3959, 3855..3959, 3856..3978, 3890..3982, 3991..4044, 3992..4042		

Seq. No.	32119	Seq. ID	OJ991028_15.0118.C34
Gene No.	66448	Strand	+
Start	3575	End	5318
Name	OJ991028_15.0118.C34.o1.tc	Method	TBLASTX:Cress
Start	3871	End	4599
GI	none	Score	102
Exons	3871..3975, 3967..4476, 4101..4361, 4564..4599		

Seq. No.	32119	Seq. ID	OJ991028_15.0118.C34
Gene No.	66448	Strand	+
Start	3575	End	5318
Name	OJ991028_15.0118.C34.o1.tm	Method	TBLASTX:Maize
Start	4045	End	4508
GI	none	Score	48
Exons	4045..4080, 4073..4144, 4086..4508, 4087..4479		

Seq. No.	32119	Seq. ID	OJ991028_15.0118.C34
Gene No.	66448	Strand	+
Start	3575	End	5318
Name	OJ991028_15.0118.C34.o1.ts	Method	TBLASTX:Soybean
Start	4048	End	4854
GI	none	Score	516
Exons	4048..4479, 4098..4505, 4564..4854, 4683..4850		

Seq. No.	32119	Seq. ID	OJ991028_15.0118.C34

Gene No.	66448	Strand	+
Start	3575	End	5318
Name	OJ991028_15.0118.C34.o2.tm	Method	TBLASTX:Maize
Start	4573	End	5084
GI	none	Score	652
Exons	4573..5070, 4573..5073, 4899..5084		

Seq. No.	32119	Seq. ID	OJ991028_15.0118.C34
Gene No.	66448	Strand	+
Start	3575	End	5318
Name	OJ991028_15.0118.C34.o2.tc	Method	TBLASTX:Cress
Start	4666	End	5091
GI	none	Score	455
Exons	4666..5091, 4680..5012, 4687..5061		

Seq. No.	32119	Seq. ID	OJ991028_15.0118.C34
Gene No.	66448	Strand	+
Start	3575	End	5318
Name	OJ991028_15.0118.C34.o1.tw	Method	TBLASTX:Wheat
Start	4822	End	5054
GI	none	Score	192
Exons	4822..5010, 4833..5012, 4893..5054, 4972..5034, 4982..5053		

Seq. No.	32119	Seq. ID	OJ991028_15.0118.C34
Gene No.	66448	Strand	+
Start	3575	End	5318
Name	OJ991028_15.0118.C34.o1.gp	Method	AAT/GAP
Start	4975	End	5318
GI	3760374	Score	642
Exons	4975..5318		

Seq. No.	32120	Seq. ID	OJ991028_15.0118.C35
Gene No.	66449	Strand	+
Start	1	End	292
Name	OJ991028_15.0118.C35.o1.np	Method	AAT/NAP
Start	1	End	292
GI	4680502	Score	77
Exons	1..292		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	32120	Seq. ID	OJ991028_15.0118.C35
Gene No.	66450	Strand	-
Start	23	End	7512
Name	OJ991028_15.0118.C35.o1.gs	Method	GENSCAN
Start	23	End	7512
GI	none	Score	.78
Exons	23..150, 1202..1285, 1956..2098, 3118..3266, 3387..4109, 4685..4780, 4860..4952, 5052..5157, 5263..5380, 5547..5916, 6811..6960, 7135..7512		

Seq. No.	32120	Seq. ID	OJ991028_15.0118.C35
Gene No.	66450	Strand	-
Start	23	End	7512
Name	OJ991028_15.0118.C35.o1.tm	Method	TBLASTX:Maize
Start	1946	End	5165
GI	none	Score	144
Exons	1946..2107, 1957..2100, 3117..3269, 3125..3274, 3200..3268,		

3210..3275, 3384..3620, 3387..3611, 3392..3757, 3394..3960, 3398..3973, 3667..3969, 3678..3992, 3945..3989, 3986..4051, 4005..4064, 4011..4106, 5035..5151, 5049..5165, 5054..5155, 5061..5159

Seq. No.	32120	Seq. ID	OJ991028_15.0118.C35
Gene No.	66450	Strand	-
Start	23	End	7512
Name	OJ991028_15.0118.C35.o1.gp	Method	AAT/GAP
Start	2024	End	3744
GI	none	Score	1112
Exons	2024..2098, 3118..3266, 3387..3744		

Seq. No.	32120	Seq. ID	OJ991028_15.0118.C35
Gene No.	66450	Strand	-
Start	23	End	7512
Name	OJ991028_15.0118.C35.o2.gp	Method	AAT/GAP
Start	3852	End	5362
GI	none	Score	1030
Exons	3852..4109, 4860..4952, 5052..5157, 5263..5362		

Seq. No.	32120	Seq. ID	OJ991028_15.0118.C35
Gene No.	66450	Strand	-
Start	23	End	7512
Name	OJ991028_15.0118.C35.o2.tm	Method	TBLASTX:Maize
Start	5547	End	7242
GI	none	Score	265
Exons	5547..5909, 5548..5919, 5548..5919, 7129..7185, 7133..7186, 7198..7242		

Seq. No.	32121	Seq. ID	OJ991028_15.0118.C36
Gene No.	66451	Strand	+
Start	11025	End	11196
Name	OJ991028_15.0118.C36.o1.gp	Method	AAT/GAP
Start	11025	End	11196
GI	LIB3433-026-P1-K1-C1	Score	255
Exons	11025..11196		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32121	Seq. ID	OJ991028_15.0118.C36
Gene No.	66452	Strand	+
Start	13268	End	16179
Name	OJ991028_15.0118.C36.o3.gs	Method	GENSCAN
Start	13268	End	13909
GI	none	Score	.9
Exons	13268..13909		

Seq. No.	32121	Seq. ID	OJ991028_15.0118.C36
Gene No.	66452	Strand	+
Start	13268	End	16179
Name	OJ991028_15.0118.C36.o5.np	Method	AAT/NAP
Start	13321	End	16179
GI	4417306	Score	228
Exons	13321..13879, 16148..16179		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	32121	Seq. ID	OJ991028_15.0118.C36
Gene No.	66452	Strand	+
Start	13268	End	16179
Name	OJ991028_15.0118.C36.o4.gs	Method	GENSCAN
Start	14418	End	15907
GI	none	Score	.68
Exons	14418..14493, 14759..14858, 14901..15495, 15534..15684, 15690..15907		

Seq. No.	32121	Seq. ID	OJ991028_15.0118.C36
Gene No.	66453	Strand	-
Start	1	End	9442
Name	OJ991028_15.0118.C36.o1.np	Method	AAT/NAP
Start	1	End	1141
GI	4585884	Score	177
Exons	1..22, 398..686, 792..1141		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32121	Seq. ID	OJ991028_15.0118.C36
Gene No.	66453	Strand	-
Start	1	End	9442
Name	OJ991028_15.0118.C36.o1.gs	Method	GENSCAN
Start	325	End	9442
GI	none	Score	.65
Exons	325..466, 594..686, 792..1144, 1218..1246, 1354..1503, 1618..1742, 1958..2002, 3187..3375, 3427..3672, 3902..4029, 4053..4144, 4300..4400, 5738..5782, 6572..6734, 7969..8096, 9093..9297, 9320..9442		

Seq. No.	32121	Seq. ID	OJ991028_15.0118.C36
Gene No.	66453	Strand	-
Start	1	End	9442
Name	OJ991028_15.0118.C36.o2.np	Method	AAT/NAP
Start	1884	End	6769
GI	6815052	Score	1118
Exons	1884..2002, 2281..2351, 2433..2533, 2675..2799, 2875..3373, 3422..3579, 4281..4369, 5244..5302, 5436..5476, 5665..5782, 6062..6144, 6623..6769		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	32121	Seq. ID	OJ991028_15.0118.C36
Gene No.	66453	Strand	-
Start	1	End	9442
Name	OJ991028_15.0118.C36.o3.np	Method	AAT/NAP
Start	5962	End	9291
GI	6721516	Score	606
Exons	5962..6109, 6568..6935, 7350..7590, 9250..9291		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32121	Seq. ID	OJ991028_15.0118.C36
Gene No.	66454	Strand	-
Start	16219	End	16325
Name	OJ991028_15.0118.C36.o1.ts	Method	TBLASTX:Soybean
Start	583	End	1014
GI	none	Score	159
Exons	583..687, 784..1014		

Seq. No.	32121	Seq. ID	OJ991028_15.0118.C36
Gene No.	66454	Strand	-
Start	16219	End	16325
Name	OJ991028_15.0118.C36.o1.tw	Method	TBLASTX:Wheat
Start	13574	End	13900
GI	none	Score	107
Exons	13574..13690, 13706..13900		

Seq. No.	32121	Seq. ID	OJ991028_15.0118.C36
Gene No.	66454	Strand	-
Start	16219	End	16325
Name	OJ991028_15.0118.C36.o5.gs	Method	GENSCAN
Start	16219	End	16325
GI	none	Score	.95
Exons	16219..16325		

Seq. No.	32122	Seq. ID	OJ991028_15.0118.C38
Gene No.	66455	Strand	-
Start	196	End	467
Name	OJ991028_15.0118.C38.o1.gs	Method	GENSCAN
Start	196	End	467
GI	none	Score	.53
Exons	196..467		

Seq. No.	32123	Seq. ID	OJ991208_17.0104.C1
Gene No.	66456	Strand	-
Start	150	End	249
Name	OJ991208_17.0104.C1.o1.gp	Method	AAT/GAP
Start	150	End	249
GI	LIB3477-003-P1-K1-E9	Score	175
Exons	150..249		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32124	Seq. ID	OJ991208_17.0104.C2
Gene No.	66457	Strand	+
Start	1	End	1215
Name	OJ991208_17.0104.C2.o1.np	Method	AAT/NAP
Start	1	End	1215
GI	5091513	Score	1274
Exons	1..1215		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32125	Seq. ID	OJ991208_17.0104.C3
Gene No.	66458	Strand	+
Start	644	End	3780
Name	OJ991208_17.0104.C3.o1.gp	Method	AAT/GAP
Start	644	End	3780
GI	16953_1.R1084	Score	2363
Exons	644..818, 1744..1847, 1949..2024, 2554..2637, 2987..3780		
GI Descrip.	'2245131/emb|CAB10552.1| 2.0e-75 (Z97344) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32125	Seq. ID	OJ991208_17.0104.C3
Gene No.	66458	Strand	+

Start	644	End	3780
Name	OJ991208_17.0104.C3.o1.gs	Method	GENSCAN
Start	690	End	3493
GI	none	Score	.79
Exons	690..818, 871..1026, 1915..2024, 2554..2637, 2987..3493		

Seq. No.	32125	Seq. ID	OJ991208_17.0104.C3
Gene No.	66458	Strand	+
Start	644	End	3780
Name	OJ991208_17.0104.C3.o1.np	Method	AAT/NAP
Start	1744	End	3512
GI	2245131	Score	621
Exons	1744..1864, 1936..2024, 2554..2656, 3006..3512		
GI Descrip.	(Z97344) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32125	Seq. ID	OJ991208_17.0104.C3
Gene No.	66459	Strand	-
Start	14798	End	15305
Name	OJ991208_17.0104.C3.o2.tw	Method	TBLASTX:Wheat
Start	1699	End	2589
GI	none	Score	130
Exons	1699..1842, 1727..1837, 1742..1846, 1743..1847, 1743..1847, 1946..2023, 1947..2024, 1948..2025, 2545..2589		

Seq. No.	32125	Seq. ID	OJ991208_17.0104.C3
Gene No.	66459	Strand	-
Start	14798	End	15305
Name	OJ991208_17.0104.C3.o1.ts	Method	TBLASTX:Soybean
Start	1732	End	3448
GI	none	Score	138
Exons	1732..1845, 1749..1838, 1947..2024, 1952..2023, 2545..2628, 3011..3214, 3020..3448, 3058..3444, 3323..3448		

Seq. No.	32125	Seq. ID	OJ991208_17.0104.C3
Gene No.	66459	Strand	-
Start	14798	End	15305
Name	OJ991208_17.0104.C3.o1.tc	Method	TBLASTX:Cress
Start	1737	End	3436
GI	none	Score	114
Exons	1737..1847, 1741..1845, 1971..2024, 2503..2628, 3023..3436, 3026..3133, 3055..3435		

Seq. No.	32125	Seq. ID	OJ991208_17.0104.C3
Gene No.	66459	Strand	-
Start	14798	End	15305
Name	OJ991208_17.0104.C3.o1.tm	Method	TBLASTX:Maize
Start	1742	End	3551
GI	none	Score	163
Exons	1742..1843, 1743..1847, 1744..1845, 1946..2023, 1947..2024, 1948..2025, 2545..2637, 2552..2635, 2553..2636, 2563..2637, 3006..3170, 3006..3179, 3011..3211, 3017..3469, 3055..3468, 3333..3506, 3460..3495, 3504..3551		

Seq. No.	32125	Seq. ID	OJ991208_17.0104.C3
Gene No.	66459	Strand	-
Start	14798	End	15305
Name	OJ991208_17.0104.C3.o1.tw	Method	TBLASTX:Wheat

Start	3130	End	3379
GI	none	Score	350
Exons	3130..3357, 3131..3379, 3320..3373		

Seq. No.	32125	Seq. ID	OJ991208_17.0104.C3
Gene No.	66459	Strand	-
Start	14798	End	15305
Name	OJ991208_17.0104.C3.o4.gs	Method	GENSCAN
Start	14798	End	15076
GI	none	Score	.9
Exons	14798..15076		

Seq. No.	32125	Seq. ID	OJ991208_17.0104.C3
Gene No.	66459	Strand	-
Start	14798	End	15305
Name	OJ991208_17.0104.C3.o2.np	Method	AAT/NAP
Start	14906	End	15305
GI	6006359	Score	54
Exons	14906..15024, 15234..15305		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66460	Strand	+
Start	227	End	7957
Name	OJ991208_17.0104.C4.o1.gp	Method	AAT/GAP
Start	227	End	7957
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	227..252, 2090..2133, 7926..7957		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66460	Strand	+
Start	227	End	7957
Name	OJ991208_17.0104.C4.o1.gs	Method	GENSCAN
Start	2900	End	4095
GI	none	Score	.78
Exons	2900..3165, 3258..4095		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66460	Strand	+
Start	227	End	7957
Name	OJ991208_17.0104.C4.o1.np	Method	AAT/NAP
Start	2900	End	3541
GI	5668784	Score	567
Exons	2900..3165, 3258..3541		
GI Descrip.	(AC007894) Strong similarity to M4 protein gb|X90381 from Arabidopsis thaliana and contains 2 PF|00249 Myb-like DNA-binding domains. EST gb|H36793 comes from this gene.		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66461	Strand	+
Start	25903	End	26098
Name	OJ991208_17.0104.C4.o3.gs	Method	GENSCAN
Start	25903	End	26098
GI	none	Score	.95

Exons	25903..26021, 26023..26098		
Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o2.tm	Method	TBLASTX:Maize
Start	2900	End	3375
GI	none	Score	51
Exons	2900..2926, 2918..3166, 2935..3036, 3255..3356, 3255..3368, 3256..3375		
Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o1.ts	Method	TBLASTX:Soybean
Start	2906	End	3387
GI	none	Score	37
Exons	2906..2926, 2918..3166, 2938..3039, 3255..3386, 3256..3387		
Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o1.tw	Method	TBLASTX:Wheat
Start	2918	End	3372
GI	none	Score	300
Exons	2918..3166, 2929..3039, 3088..3168, 3231..3371, 3255..3350, 3256..3372		
Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o1.tc	Method	TBLASTX:Cress
Start	2927	End	3518
GI	none	Score	347
Exons	2927..3166, 3255..3386, 3256..3387, 3471..3518		
Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o2.gs	Method	GENSCAN
Start	6075	End	25565
GI	none	Score	.77
Exons	6075..6090, 8101..8129, 8565..8697, 9247..9313, 11361..11544, 11768..11950, 12532..12651, 12750..12852, 13118..13276, 13740..13858, 13884..13945, 14131..14248, 14415..14462, 15475..15651, 16075..16127, 16560..16672, 16804..16884, 16977..17092, 17797..17916, 19332..19440, 19604..19781, 19863..19931, 20113..20244, 20668..20777, 20854..21014, 21262..21366, 21510..21630, 21743..21903, 22839..22863, 23019..23138, 24075..24127, 24217..24406, 24483..24606, 25075..25114, 25563..25565		
Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o2.gp	Method	AAT/GAP
Start	11039	End	11854

GI	20288_1.R1084	Score	1078
Exons	11039..11544, 11768..11854		
GI Descrip.	'4588012/gb|AAD25952.1|AF085717_1 2.0e-30 (AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]'		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o1.tm	Method	TBLASTX:Maize
Start	11212	End	14449
GI	none	Score	43
Exons	11212..11244, 11213..11254, 11252..11281, 11257..11295, 11296..11544, 11297..11542, 11302..11544, 11306..11569, 11307..11567, 11537..11635, 11753..11977, 11769..11951, 11882..11956, 12045..12101, 12050..12127, 12529..12654, 12530..12655, 12740..12850, 12750..12851, 12750..12854, 12751..12855, 12752..12853, 13105..13275, 13108..13275, 13112..13276, 13112..13276, 13720..13830, 13739..13831, 13739..13831, 13881..14018, 13903..14025, 13904..14017, 14122..14208, 14122..14250, 14129..14251, 14130..14255, 14244..14282, 14257..14289, 14257..14292, 14411..14449, 14414..14440		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o3.ts	Method	TBLASTX:Soybean
Start	11305	End	11561
GI	none	Score	237
Exons	11305..11550, 11324..11545, 11349..11561		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o3.tc	Method	TBLASTX:Cress
Start	11307	End	11830
GI	none	Score	91
Exons	11307..11471, 11320..11532, 11320..11544, 11327..11542, 11753..11830		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o2.np	Method	AAT/NAP
Start	11311	End	26364
GI	4588012	Score	3926
Exons	11311..11544, 11768..11950, 12050..12100, 12532..12651, 12750..12852, 13118..13276, 13740..13828, 13903..14016, 14131..14288, 14415..14462, 15475..15651, 16075..16127, 16560..16672, 16804..16884, 16977..17092, 17797..17916, 19332..19440, 19604..19781, 19863..19931, 20113..20244, 20668..20777, 20854..21014, 21092..21182, 21269..21366, 21510..21630, 21743..21903, 21996..22077, 22153..22241, 22989..23095, 23207..23293, 23383..23432, 23569..23650, 23746..23806, 24075..24127, 24217..24406, 24483..24606, 24871..24973, 25075..25170, 26311..26364		
GI Descrip.	(AF085717) putative callose synthase catalytic subunit		

[Gossypium hirsutum]

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o3.tw	Method	TBLASTX:Wheat
Start	11317	End	11830
GI	none	Score	132
Exons	11317..11544, 11327..11512, 11756..11830		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o6.ts	Method	TBLASTX:Soybean
Start	11753	End	17919
GI	none	Score	139
Exons	11753..11959, 12050..12100, 13108..13275, 13112..13276, 16812..16886, 16813..16887, 16818..16889, 16977..17093, 16979..17092, 16984..17094, 16985..17095, 17795..17917, 17796..17918, 17797..17919, 17797..17916		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o4.ts	Method	TBLASTX:Soybean
Start	12529	End	12855
GI	none	Score	92
Exons	12529..12654, 12533..12655, 12533..12655, 12740..12850, 12747..12854, 12750..12851, 12760..12855		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o4.tc	Method	TBLASTX:Cress
Start	12596	End	13270
GI	none	Score	70
Exons	12596..12655, 12598..12654, 12750..12851, 12750..12854, 13108..13269, 13112..13270, 13112..13270		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o2.tc	Method	TBLASTX:Cress
Start	13719	End	14251
GI	none	Score	88
Exons	13719..13829, 13739..13831, 13742..13831, 13881..14018, 13903..14025, 13904..14017, 14122..14241, 14140..14208, 14171..14251		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o2.tw	Method	TBLASTX:Wheat
Start	13728	End	14016
GI	none	Score	91
Exons	13728..13829, 13742..13831, 13903..14016, 13907..14005		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o2.ts	Method	TBLASTX:Soybean
Start	13739	End	16659
GI	none	Score	112
Exons	13739..13831, 13740..13829, 13903..14025, 13904..14017, 13905..14021, 14099..14248, 14122..14241, 14129..14248, 14415..14477, 14416..14478, 15469..15654, 15542..15652, 16072..16131, 16073..16132, 16526..16657, 16552..16659, 16555..16656		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o3.gp	Method	AAT/GAP
Start	13784	End	15571
GI	uC-osflcyp007h03b1	Score	805
Exons	13784..13828, 13903..14016, 14131..14288, 14415..14462, 15475..15571		
GI Descrip.	'4588012/gb|AAD25952.1|AF085717_1 4.0e-56 (AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]'		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o6.tc	Method	TBLASTX:Cress
Start	14415	End	16131
GI	none	Score	62
Exons	14415..14537, 14416..14472, 15469..15678, 15475..15636, 15545..15655, 16072..16131		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o3.tm	Method	TBLASTX:Maize
Start	15544	End	17093
GI	none	Score	71
Exons	15544..15654, 15545..15652, 16072..16131, 16073..16135, 16526..16675, 16555..16674, 16791..16886, 16813..16887, 16977..17093, 16979..17092		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o5.tc	Method	TBLASTX:Cress
Start	16564	End	17880
GI	none	Score	73
Exons	16564..16674, 16580..16672, 16809..16862, 16813..16860, 16977..17093, 16978..17079, 16979..17095, 16979..17092, 17785..17880, 17795..17878		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o7.tm	Method	TBLASTX:Maize
Start	17785	End	19783

GI	none	Score	152
Exons	17785..17916, 17795..17920, 19332..19382, 19336..19383, 19392..19454, 19402..19443, 19576..19779, 19586..19783, 19603..19782		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o5.ts	Method	TBLASTX:Soybean
Start	19879	End	21005
GI	none	Score	74
Exons	19879..19938, 20114..20161, 20219..20251, 20666..20779, 20856..21005, 20857..20991		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o6.tm	Method	TBLASTX:Maize
Start	20714	End	21172
GI	none	Score	47
Exons	20714..20779, 20727..20792, 20854..21015, 20856..21014, 20857..21015, 20870..21028, 21101..21172, 21102..21149		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o4.gp	Method	AAT/GAP
Start	21253	End	22071
GI	62196_1.R1084	Score	773
Exons	21253..21366, 21510..21630, 21743..21903, 21996..22071		
GI Descrip.	'4588012/gb|AAD25952.1|AF085717_1 3.0e-33 (AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]'		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o4.tm	Method	TBLASTX:Maize
Start	21537	End	22044
GI	none	Score	119
Exons	21537..21629, 21538..21630, 21539..21634, 21721..21879, 21737..21946, 21743..21880, 21882..21905, 21993..22043, 21997..22044		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o7.ts	Method	TBLASTX:Soybean
Start	21579	End	22028
GI	none	Score	45
Exons	21579..21629, 21580..21630, 21721..21900, 21743..21931, 21993..22028		

Seq. No.	32126	Seq. ID	OJ991208_17.0104.C4
Gene No.	66462	Strand	-
Start	6075	End	26364
Name	OJ991208_17.0104.C4.o5.tm	Method	TBLASTX:Maize
Start	22056	End	23629

GI	none	Score	56
Exons	22056..22109, 22058..22087, 22146..22235, 22154..22234, 22198..22239, 23018..23104, 23019..23096, 23029..23097, 23189..23293, 23208..23294, 23208..23303, 23359..23433, 23362..23433, 23567..23629, 23572..23628, 23573..23629		

Seq. No.	32127	Seq. ID	OJ991208_17.0104.C5
Gene No.	66463	Strand	-
Start	1	End	6350
Name	OJ991208_17.0104.C5.o1.np	Method	AAT/NAP
Start	1	End	6350
GI	6642649	Score	510
Exons	1..45, 877..962, 1048..1124, 1455..1583, 3154..3271, 3356..3453, 3997..4086, 5538..5663, 5778..5891, 6055..6350		
GI Descrip.	(AC012395) putative glucan synthase [Arabidopsis thaliana]		

Seq. No.	32127	Seq. ID	OJ991208_17.0104.C5
Gene No.	66463	Strand	-
Start	1	End	6350
Name	OJ991208_17.0104.C5.o1.gs	Method	GENSCAN
Start	514	End	6151
GI	none	Score	.57
Exons	514..683, 1436..1583, 3154..3271, 3356..3453, 3997..4086, 5538..5663, 5778..5891, 6028..6151		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66464	Strand	+
Start	142	End	1946
Name	OJ991208_17.0104.C6.o1.gs	Method	GENSCAN
Start	142	End	1946
GI	none	Score	.78
Exons	142..301, 1792..1946		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66465	Strand	+
Start	19273	End	30909
Name	OJ991208_17.0104.C6.o1.np	Method	AAT/NAP
Start	19273	End	30909
GI	5091513	Score	2166
Exons	19273..19302, 20148..20662, 21526..23170, 24011..24115, 24269..24629, 29690..29786, 30873..30909		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66465	Strand	+
Start	19273	End	30909
Name	OJ991208_17.0104.C6.o4.gs	Method	GENSCAN
Start	20172	End	23782
GI	none	Score	.53
Exons	20172..20629, 21029..21158, 21507..21581, 21906..22196, 22279..22421, 22444..22869, 23068..23782		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66465	Strand	+
Start	19273	End	30909
Name	OJ991208_17.0104.C6.o3.gp	Method	AAT/GAP
Start	20662	End	20946

GI	LIB3475-004-P1-K2-A5	Score	371
Exons	20662..20716, 20759..20946		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66465	Strand	+
Start	19273	End	30909
Name	OJ991208_17.0104.C6.o4.gp	Method	AAT/GAP
Start	21183	End	21427
GI	LIB3475-004-P1-K2-A5	Score	399
Exons	21183..21427		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66466	Strand	-
Start	2847	End	9364
Name	OJ991208_17.0104.C6.o2.gs	Method	GENSCAN
Start	2847	End	9364
GI	none	Score	.46
Exons	2847..3308, 4435..4605, 4732..4856, 6817..7724, 8004..8294, 8712..9364		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66466	Strand	-
Start	2847	End	9364
Name	OJ991208_17.0104.C6.o1.gp	Method	AAT/GAP
Start	5232	End	5341
GI	uC-osflcyp088b12b1	Score	157
Exons	5232..5341		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66467	Strand	-
Start	10790	End	19380
Name	OJ991208_17.0104.C6.o3.gs	Method	GENSCAN
Start	10790	End	19380
GI	none	Score	.52
Exons	10790..10830, 11001..11094, 11549..11693, 11769..11898, 12076..12342, 12436..12567, 12837..13106, 13426..13731, 13792..13887, 14160..14285, 14764..15073, 16597..16622, 17115..17691, 18137..18257, 19250..19380		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66468	Strand	-
Start	38426	End	39046
Name	OJ991208_17.0104.C6.o2.np	Method	AAT/NAP
Start	38426	End	38911
GI	3719211	Score	336
Exons	38426..38911		
GI Descrip.	(U97021) UIP2 [Arabidopsis thaliana]		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66468	Strand	-
Start	38426	End	39046

Name	OJ991208_17.0104.C6.o6.gs	Method	GENSCAN
Start	38426	End	39046
GI	none	Score	.88
Exons	38426..39046		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o6.tm	Method	TBLASTX:Maize
Start	2987	End	38908
GI	none	Score	47
Exons	2987..3169, 3168..3278, 28121..28183, 28160..28240, 34272..34316, 34279..34317, 34296..34541, 34306..34389, 34531..34575, 34552..34632, 34574..34627, 34641..34682, 38429..38698, 38430..38606, 38657..38776, 38712..38777, 38783..38908, 38783..38878		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o5.tw	Method	TBLASTX:Wheat
Start	11183	End	11617
GI	none	Score	78
Exons	11183..11467, 11528..11617		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o2.ts	Method	TBLASTX:Soybean
Start	11246	End	11663
GI	none	Score	74
Exons	11246..11488, 11250..11363, 11525..11662, 11547..11663		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o3.ts	Method	TBLASTX:Soybean
Start	11814	End	12283
GI	none	Score	63
Exons	11814..11960, 11816..12001, 11991..12248, 12002..12283		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o4.tw	Method	TBLASTX:Wheat
Start	11900	End	12280
GI	none	Score	62
Exons	11900..12001, 11978..12280, 12137..12226		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o2.tm	Method	TBLASTX:Maize
Start	11969	End	12430
GI	none	Score	354
Exons	11969..12430, 11970..12311, 12366..12428		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o1.tw	Method	TBLASTX:Wheat
Start	12298	End	12706
GI	none	Score	193
Exons	12298..12588, 12299..12706, 12366..12689		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o5.tm	Method	TBLASTX:Maize
Start	12431	End	12646
GI	none	Score	209
Exons	12431..12646, 12432..12644		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o5.ts	Method	TBLASTX:Soybean
Start	13349	End	13711
GI	none	Score	73
Exons	13349..13711, 13365..13643		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o7.tm	Method	TBLASTX:Maize
Start	14807	End	15175
GI	none	Score	51
Exons	14807..15025, 14903..15025, 15041..15175, 15051..15158		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o8.tm	Method	TBLASTX:Maize
Start	20756	End	21452
GI	none	Score	107
Exons	20756..20851, 20756..20851, 20760..20855, 20761..20853, 20847..20897, 20851..20967, 20854..20970, 20855..20971, 21215..21331, 21228..21332, 21332..21448, 21334..21447, 21335..21451, 21336..21452		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o2.tw	Method	TBLASTX:Wheat
Start	29072	End	33602
GI	none	Score	311
Exons	29072..29413, 29129..29413, 33338..33448, 33342..33461, 33352..33501, 33549..33602		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o4.tm	Method	TBLASTX:Maize
Start	29282	End	33486

GI	none	Score	78
Exons	29282..29434, 29295..29462, 29468..29521, 29474..29614, 29487..29624, 29627..29749, 29639..29725, 29643..29735, 32994..33281, 32995..33177, 33012..33269, 33205..33279, 33252..33485, 33284..33484, 33289..33486		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o1.tc	Method	TBLASTX:Cress
Start	34266	End	38878
GI	none	Score	42
Exons	34266..34316, 34279..34317, 34296..34550, 34306..34389, 34552..34632, 38429..38710, 38430..38543, 38696..38776, 38712..38777, 38783..38878		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o4.ts	Method	TBLASTX:Soybean
Start	34269	End	38885
GI	none	Score	42
Exons	34269..34316, 34279..34317, 34296..34508, 34306..34413, 34542..34568, 34552..34632, 38429..38677, 38430..38570, 38702..38779, 38712..38777, 38783..38857, 38837..38878, 38838..38885		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o8.gs	Method	GENSCAN
Start	46509	End	49525
GI	none	Score	.5
Exons	46509..46622, 48232..49525		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o5.gp	Method	AAT/GAP
Start	47771	End	48551
GI	none	Score	1275
Exons	47771..47794, 47886..48551		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o1.tm	Method	TBLASTX:Maize
Start	47994	End	49167
GI	none	Score	72
Exons	47994..48029, 48007..48069, 48023..48067, 48103..48147, 48113..48250, 48130..48180, 48147..48185, 48210..48260, 48217..48267, 48218..48265, 48262..48294, 48288..48353, 48289..48381, 48289..48381, 48311..48394, 48315..48401, 48332..48676, 48454..49164, 48460..49167		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-

Start	46509	End	49554
Name	OJ991208_17.0104.C6.o1.ts	Method	TBLASTX:Soybean
Start	48580	End	49167
GI	none	Score	124
Exons	48580..48939, 48653..48904, 49000..49053, 49010..49063, 49075..49167		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o3.tw	Method	TBLASTX:Wheat
Start	48652	End	48913
GI	none	Score	360
Exons	48652..48906, 48653..48913, 48666..48911		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o6.gp	Method	AAT/GAP
Start	48915	End	49207
GI	569537	Score	586
Exons	48915..49207		

Seq. No.	32128	Seq. ID	OJ991208_17.0104.C6
Gene No.	66469	Strand	-
Start	46509	End	49554
Name	OJ991208_17.0104.C6.o3.tm	Method	TBLASTX:Maize
Start	49168	End	49554
GI	none	Score	518
Exons	49168..49554, 49169..49528, 49357..49536		

Seq. No.	32129	Seq. ID	OJ991208_17.0104.C7
Gene No.	66470	Strand	-
Start	1	End	984
Name	OJ991208_17.0104.C7.o1.np	Method	AAT/NAP
Start	1	End	984
GI	5091513	Score	1294
Exons	1..984		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32129	Seq. ID	OJ991208_17.0104.C7
Gene No.	66470	Strand	-
Start	1	End	984
Name	OJ991208_17.0104.C7.o1.gs	Method	GENSCAN
Start	37	End	891
GI	none	Score	.61
Exons	37..891		

Seq. No.	32130	Seq. ID	OJ991208_16.0103.C2
Gene No.	66471	Strand	+
Start	1054	End	7734
Name	OJ991208_16.0103.C2.o1.gs	Method	GENSCAN
Start	1054	End	5723
GI	none	Score	.94
Exons	1054..1121, 3240..3551, 3610..4166, 4726..4800, 5404..5723		

Seq. No.	32130	Seq. ID	OJ991208_16.0103.C2

Gene No.	66471	Strand	+
Start	1054	End	7734
Name	OJ991208_16.0103.C2.o1.np	Method	AAT/NAP
Start	5568	End	7734
GI	6063554	Score	241
Exons	5568..5600, 6972..7250, 7368..7579, 7645..7734		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32130	Seq. ID	OJ991208_16.0103.C2
Gene No.	66472	Strand	-
Start	7296	End	7734
Name	OJ991208_16.0103.C2.o2.gs	Method	GENSCAN
Start	7296	End	7681
GI	none	Score	.61
Exons	7296..7681		

Seq. No.	32130	Seq. ID	OJ991208_16.0103.C2
Gene No.	66472	Strand	-
Start	7296	End	7734
Name	OJ991208_16.0103.C2.o2.np	Method	AAT/NAP
Start	7370	End	7734
GI	5852180	Score	296
Exons	7370..7734		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32131	Seq. ID	OJ991208_16.0103.C3
Gene No.	66473	Strand	+
Start	1	End	10888
Name	OJ991208_16.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	10888
GI	5852175	Score	110
Exons	1..51, 400..502, 1118..1150, 10866..10888		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	32131	Seq. ID	OJ991208_16.0103.C3
Gene No.	66473	Strand	+
Start	1	End	10888
Name	OJ991208_16.0103.C3.o1.gp	Method	AAT/GAP
Start	422	End	1832
GI	4107138	Score	1188
Exons	422..1287, 1811..1832		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	32131	Seq. ID	OJ991208_16.0103.C3
Gene No.	66473	Strand	+
Start	1	End	10888
Name	OJ991208_16.0103.C3.o3.gp	Method	AAT/GAP
Start	4619	End	4868
GI	57713_5.R1084	Score	420
Exons	4619..4868		
GI Descrip.	'6015116/sp|O82653|ERG ARATH 3.0e-34 GTP-BINDING PROTEIN ERG >gi_3676071_emb_CAA76979_ (Y17969) ERG protein [Arabidopsis thaliana]'		

Seq. No.	32131	Seq. ID	OJ991208_16.0103.C3
Gene No.	66473	Strand	+
Start	1	End	10888
Name	OJ991208_16.0103.C3.o2.gs	Method	GENSCAN
Start	8648	End	10329
GI	none	Score	.49
Exons	8648..8942, 9837..10082, 10196..10329		

Seq. No.	32131	Seq. ID	OJ991208_16.0103.C3
Gene No.	66474	Strand	-
Start	1264	End	5724
Name	OJ991208_16.0103.C3.o2.gp	Method	AAT/GAP
Start	1011	End	1285
GI	61605_1.R1084	Score	480
Exons	1011..1285		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32131	Seq. ID	OJ991208_16.0103.C3
Gene No.	66474	Strand	-
Start	1264	End	5724
Name	OJ991208_16.0103.C3.o1.gs	Method	GENSCAN
Start	1264	End	5724
GI	none	Score	.51
Exons	1264..1553, 1606..1780, 4023..4108, 5715..5724		

Seq. No.	32131	Seq. ID	OJ991208_16.0103.C3
Gene No.	66474	Strand	-
Start	1264	End	5724
Name	OJ991208_16.0103.C3.o2.np	Method	AAT/NAP
Start	1269	End	1869
GI	4388825	Score	189
Exons	1269..1600, 1728..1869		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32131	Seq. ID	OJ991208_16.0103.C3
Gene No.	66474	Strand	-
Start	1264	End	5724
Name	OJ991208_16.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	1382	End	1771
GI	none	Score	70
Exons	1382..1627, 1387..1560, 1637..1771		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66475	Strand	+
Start	1386	End	12230
Name	OJ991208_16.0103.C4.o3.np	Method	AAT/NAP
Start	1386	End	12230
GI	5852180	Score	369
Exons	1386..1404, 5393..5438, 10762..10849, 11856..12230		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66475	Strand	+
Start	1386	End	12230
Name	OJ991208_16.0103.C4.o1.gp	Method	AAT/GAP

Start	11610	End	11676
GI	uC-osroM202024h08a1	Score	85
Exons	11610..11676		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66476	Strand	+
Start	15813	End	19294
Name	OJ991208_16.0103.C4.o4.np	Method	AAT/NAP
Start	15813	End	16689
GI	4680186	Score	127
Exons	15813..15982, 16657..16689		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66476	Strand	+
Start	15813	End	19294
Name	OJ991208_16.0103.C4.o3.gs	Method	GENSCAN
Start	16531	End	19294
GI	none	Score	.61
Exons	16531..16613, 16628..16993, 17689..17813, 18608..18951, 19010..19294		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66476	Strand	+
Start	15813	End	19294
Name	OJ991208_16.0103.C4.o3.gp	Method	AAT/GAP
Start	16866	End	17176
GI	61605_3.R1084	Score	446
Exons	16866..17176		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66477	Strand	-
Start	4172	End	8599
Name	OJ991208_16.0103.C4.o1.np	Method	AAT/NAP
Start	4172	End	8599
GI	4539660	Score	4569
Exons	4172..8599		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66478	Strand	-
Start	8870	End	9631
Name	OJ991208_16.0103.C4.o2.np	Method	AAT/NAP
Start	8870	End	9631
GI	4512229	Score	1197
Exons	8870..9631		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66479	Strand	-
Start	15019	End	15822
Name	OJ991208_16.0103.C4.o2.gs	Method	GENSCAN
Start	15019	End	15822

GI	none	Score	.5
Exons	15019..15047, 15732..15822		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66480	Strand	-
Start	16199	End	20968
Name	OJ991208_16.0103.C4.o5.np	Method	AAT/NAP
Start	16199	End	20968
GI	6907087	Score	933
Exons	16199..16300, 16842..16893, 19917..20545, 20591..20968		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66480	Strand	-
Start	16199	End	20968
Name	OJ991208_16.0103.C4.o4.gp	Method	AAT/GAP
Start	18151	End	18887
GI	101153_1.R1084	Score	682
Exons	18151..18381, 18699..18887		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66480	Strand	-
Start	16199	End	20968
Name	OJ991208_16.0103.C4.o4.gs	Method	GENSCAN
Start	19905	End	20753
GI	none	Score	.88
Exons	19905..20753		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o7.tm	Method	TBLASTX:Maize
Start	4129	End	4375
GI	none	Score	48
Exons	4129..4161, 4129..4170, 4163..4345, 4163..4375		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o5.tw	Method	TBLASTX:Wheat
Start	4184	End	4517
GI	none	Score	44
Exons	4184..4516, 4377..4424, 4400..4513, 4443..4517		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	4379	End	4963
GI	none	Score	160
Exons	4379..4804, 4503..4805, 4800..4955, 4802..4963, 4809..4955, 4811..4957		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	4517	End	5143
GI	none	Score	51
Exons	4517..5143, 4518..4586, 4523..4768, 4629..5141		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	5012	End	5304
GI	none	Score	283
Exons	5012..5302, 5016..5303, 5071..5304		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	5101	End	5362
GI	none	Score	186
Exons	5101..5319, 5102..5362, 5103..5360		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o2.tw	Method	TBLASTX:Wheat
Start	5150	End	5686
GI	none	Score	345
Exons	5150..5686, 5151..5675, 5156..5683		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	5717	End	6070
GI	none	Score	49
Exons	5717..6070, 5724..5756, 5732..6064, 5802..6065		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o3.tw	Method	TBLASTX:Wheat
Start	5717	End	6143
GI	none	Score	252
Exons	5717..6100, 5717..6142, 5724..6143		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o3.ts	Method	TBLASTX:Soybean
Start	5888	End	6133
GI	none	Score	210
Exons	5888..6133		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4

Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o5.tm	Method	TBLASTX:Maize
Start	6077	End	6409
GI	none	Score	132
Exons	6077..6409, 6081..6332		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o6.tw	Method	TBLASTX:Wheat
Start	6144	End	6418
GI	none	Score	257
Exons	6144..6398, 6144..6404, 6146..6406, 6176..6418		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	6158	End	6553
GI	none	Score	171
Exons	6158..6409, 6168..6398, 6215..6412, 6372..6515, 6437..6517, 6464..6517, 6521..6553, 6521..6553		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o4.tm	Method	TBLASTX:Maize
Start	6464	End	6911
GI	none	Score	124
Exons	6464..6907, 6473..6835, 6729..6911		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o4.tw	Method	TBLASTX:Wheat
Start	6494	End	6980
GI	none	Score	204
Exons	6494..6976, 6536..6973, 6687..6980		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o4.ts	Method	TBLASTX:Soybean
Start	6626	End	6940
GI	none	Score	196
Exons	6626..6940		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o8.tw	Method	TBLASTX:Wheat
Start	7115	End	7462
GI	none	Score	55
Exons	7115..7462, 7152..7283		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4

Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o8.tm	Method	TBLASTX:Maize
Start	7196	End	7516
GI	none	Score	184
Exons	7196..7516		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o7.tw	Method	TBLASTX:Wheat
Start	7817	End	8162
GI	none	Score	73
Exons	7817..8161, 8031..8162		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o6.tm	Method	TBLASTX:Maize
Start	7862	End	8161
GI	none	Score	47
Exons	7862..8161, 7863..7943, 8014..8043, 8031..8138		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o9.tw	Method	TBLASTX:Wheat
Start	8213	End	8395
GI	none	Score	133
Exons	8213..8395, 8214..8393		

Seq. No.	32132	Seq. ID	OJ991208_16.0103.C4
Gene No.	66481	Strand	-
Start	21022	End	22020
Name	OJ991208_16.0103.C4.o5.gs	Method	GENSCAN
Start	21022	End	22020
GI	none	Score	.41
Exons	21022..21040, 21145..21240, 21845..22020		

Seq. No.	32133	Seq. ID	OJ991208_16.0103.C5
Gene No.	66482	Strand	-
Start	1	End	2571
Name	OJ991208_16.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	2537
GI	5257279	Score	652
Exons	1..28, 319..1177, 1781..1837, 1988..2537		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	32133	Seq. ID	OJ991208_16.0103.C5
Gene No.	66482	Strand	-
Start	1	End	2571
Name	OJ991208_16.0103.C5.o1.gs	Method	GENSCAN
Start	516	End	1208
GI	none	Score	91
Exons	516..1208		

Seq. No.	32133	Seq. ID	OJ991208_16.0103.C5
Gene No.	66482	Strand	-
Start	1	End	2571
Name	OJ991208_16.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	714	End	1067
GI	none	Score	52
Exons	714..857, 715..816, 882..1067, 928..1056		

Seq. No.	32133	Seq. ID	OJ991208_16.0103.C5
Gene No.	66482	Strand	-
Start	1	End	2571
Name	OJ991208_16.0103.C5.o2.gs	Method	GENSCAN
Start	1440	End	2571
GI	none	Score	.41
Exons	1440..2571		

Seq. No.	32134	Seq. ID	OJ991208_16.0103.C6
Gene No.	66483	Strand	+
Start	665	End	1549
Name	OJ991208_16.0103.C6.o1.gs	Method	GENSCAN
Start	665	End	1549
GI	none	Score	.57
Exons	665..800, 1039..1119, 1350..1549		

Seq. No.	32135	Seq. ID	OJ991208_16.0103.C7
Gene No.	66484	Strand	+
Start	542	End	663
Name	OJ991208_16.0103.C7.o1.gp	Method	AAT/GAP
Start	542	End	663
GI	uC-osflcyp089e10b1	Score	232
Exons	542..663		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66485	Strand	+
Start	240	End	581
Name	OJ991208_16.0103.C8.o1.gp	Method	AAT/GAP
Start	240	End	581
GI	LIB3433-003-Q6-K6-G8	Score	595
Exons	240..581		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-25 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66486	Strand	+
Start	1645	End	3619
Name	OJ991208_16.0103.C8.o1.gs	Method	GENSCAN
Start	1645	End	3619
GI	none	Score	.66
Exons	1645..1689, 1806..1923, 1961..2048, 3307..3344, 3510..3619		

Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66487	Strand	-
Start	415	End	475
Name	OJ991208_16.0103.C8.o2.gp	Method	AAT/GAP
Start	415	End	475

GI	2312838	Score	72
Exons	415..475		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66488	Strand	-
Start	3890	End	9597
Name	OJ991208_16.0103.C8.o1.np	Method	AAT/NAP
Start	3890	End	9597
GI	3319357	Score	1402
Exons	3890..4795, 5274..5381, 5478..5696, 7479..7555, 7631..7717, 7802..7888, 8958..9075, 9169..9239, 9568..9597		
GI Descrip.	(AF077407) contains similarity to phosphoenolpyruvate synthase (ppsA) (GB:AE001056) [Arabidopsis thaliana]		

Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66488	Strand	-
Start	3890	End	9597
Name	OJ991208_16.0103.C8.o2.gs	Method	GENSCAN
Start	3890	End	9239
GI	none	Score	.89
Exons	3890..4791, 5297..5426, 5534..5696, 7479..7555, 7631..7717, 7802..7888, 8958..9075, 9169..9239		

Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66488	Strand	-
Start	3890	End	9597
Name	OJ991208_16.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	3891	End	5436
GI	none	Score	1007
Exons	3891..4793, 3893..4792, 3901..4797, 5298..5429, 5299..5436		

Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66488	Strand	-
Start	3890	End	9597
Name	OJ991208_16.0103.C8.o2.tc	Method	TBLASTX:Cress
Start	3893	End	4184
GI	none	Score	200
Exons	3893..4183, 3894..4184		

Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66488	Strand	-
Start	3890	End	9597
Name	OJ991208_16.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	4106	End	4793
GI	none	Score	571
Exons	4106..4792, 4107..4793		

Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66488	Strand	-
Start	3890	End	9597
Name	OJ991208_16.0103.C8.o3.gp	Method	AAT/GAP
Start	4144	End	9597
GI	8873_1.R1084	Score	2544
Exons	4144..4791, 5297..5426, 5534..5696, 7479..7555, 7631..7717, 7802..7888, 8958..9075, 9169..9239, 9563..9597		

GI Descrip.	'3319357 1.0e-133 (AF077407) contains similarity to phosphoenolpyruvate synthase (ppsA) (GB:AE001056) [Arabidopsis thaliana]'		
Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66488	Strand	-
Start	3890	End	9597
Name	OJ991208_16.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	4185	End	4787
GI	none	Score	278
Exons	4185..4583, 4256..4786, 4632..4787		
Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66488	Strand	-
Start	3890	End	9597
Name	OJ991208_16.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	7478	End	9244
GI	none	Score	40
Exons	7478..7510, 7478..7558, 7514..7558, 7629..7718, 7631..7720, 7631..7717, 7799..7894, 7800..7898, 8953..9078, 8955..9080, 9130..9240, 9131..9235, 9144..9239, 9173..9244		
Seq. No.	32136	Seq. ID	OJ991208_16.0103.C8
Gene No.	66488	Strand	-
Start	3890	End	9597
Name	OJ991208_16.0103.C8.o3.tc	Method	TBLASTX:Cress
Start	7489	End	9260
GI	none	Score	52
Exons	7489..7557, 7505..7558, 7631..7717, 7635..7760, 7799..7894, 7800..7892, 8931..9080, 8953..9060, 8982..9077, 9099..9239, 9160..9234, 9171..9260		
Seq. No.	32137	Seq. ID	OJ991208_16.0103.C9
Gene No.	66489	Strand	+
Start	392	End	439
Name	OJ991208_16.0103.C9.o1.gs	Method	GENSCAN
Start	392	End	439
GI	none	Score	.69
Exons	392..439		
Seq. No.	32138	Seq. ID	OJ991208_16.0103.C11
Gene No.	66490	Strand	+
Start	68	End	520
Name	OJ991208_16.0103.C11.o1.gs	Method	GENSCAN
Start	68	End	520
GI	none	Score	.92
Exons	68..263, 317..520		
Seq. No.	32139	Seq. ID	OJ991208_16.0103.C13
Gene No.	66491	Strand	-
Start	1	End	1518
Name	OJ991208_16.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	1518
GI	3319356	Score	279
Exons	1..127, 775..970, 1486..1518		
GI Descrip.	(AF077407) contains similarity glycosyl hydrolases [Arabidopsis thaliana]		

Seq. No.	32139	Seq. ID	OJ991208_16.0103.C13
Gene No.	66491	Strand	-
Start	1	End	1518
Name	OJ991208_16.0103.C13.o1.gs	Method	GENSCAN
Start	773	End	1195
GI	none	Score	.59
Exons	773..970, 1109..1195		

Seq. No.	32139	Seq. ID	OJ991208_16.0103.C13
Gene No.	66491	Strand	-
Start	1	End	1518
Name	OJ991208_16.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	858	End	1198
GI	none	Score	154
Exons	858..971, 860..973, 860..973, 1109..1198		

Seq. No.	32140	Seq. ID	OJ991208_16.0103.C14
Gene No.	66492	Strand	-
Start	731	End	3662
Name	OJ991208_16.0103.C14.o1.gs	Method	GENSCAN
Start	731	End	3662
GI	none	Score	.46
Exons	731..873, 1558..2210, 3021..3216, 3255..3344, 3350..3444, 3568..3662		

Seq. No.	32140	Seq. ID	OJ991208_16.0103.C14
Gene No.	66492	Strand	-
Start	731	End	3662
Name	OJ991208_16.0103.C14.o1.gp	Method	AAT/GAP
Start	877	End	1294
GI	LIB3432-026-P1-K1-D8	Score	806
Exons	877..1294		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32140	Seq. ID	OJ991208_16.0103.C14
Gene No.	66492	Strand	-
Start	731	End	3662
Name	OJ991208_16.0103.C14.o1.np	Method	AAT/NAP
Start	1558	End	3390
GI	3319356	Score	388
Exons	1558..1833, 1861..2210, 3205..3390		
GI Descrip.	(AF077407) contains similarity glycosyl hydrolases [Arabidopsis thaliana]		

Seq. No.	32141	Seq. ID	OJ991208_16.0103.C15
Gene No.	66493	Strand	+
Start	2911	End	3098
Name	OJ991208_16.0103.C15.o1.np	Method	AAT/NAP
Start	2911	End	3098
GI	6721512	Score	36
Exons	2911..2970, 3026..3098		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32141	Seq. ID	OJ991208_16.0103.C15
Gene No.	66494	Strand	+

Start	5198	End	12105
Name	OJ991208_16.0103.C15.o2.np	Method	AAT/NAP
Start	5198	End	11995
GI	5091513	Score	1246
Exons	5198..5285, 9449..9991, 10657..11995		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32141	Seq. ID	OJ991208_16.0103.C15
Gene No.	66494	Strand	+
Start	5198	End	12105
Name	OJ991208_16.0103.C15.o2.gs	Method	GENSCAN
Start	7224	End	12105
GI	none	Score	.71
Exons	7224..7301, 7400..7897, 8414..8474, 9414..9825, 10642..11292, 11689..11911, 11917..12105		

Seq. No.	32141	Seq. ID	OJ991208_16.0103.C15
Gene No.	66495	Strand	-
Start	9871	End	10146
Name	OJ991208_16.0103.C15.o1.gp	Method	AAT/GAP
Start	9871	End	10146
GI	uC-osflcyp053f07a1	Score	348
Exons	9871..10146		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66496	Strand	+
Start	3808	End	4242
Name	OJ991208_16.0103.C17.o1.gp	Method	AAT/GAP
Start	3808	End	4242
GI	2428185	Score	690
Exons	3808..4242		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66497	Strand	+
Start	4807	End	6361
Name	OJ991208_16.0103.C17.o2.gs	Method	GENSCAN
Start	4807	End	6359
GI	none	Score	.94
Exons	4807..4815, 5566..5787, 5886..6359		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66497	Strand	+
Start	4807	End	6361
Name	OJ991208_16.0103.C17.o1.np	Method	AAT/NAP
Start	5566	End	6361
GI	4512231	Score	1252
Exons	5566..6361		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o2.np	Method	AAT/NAP

Start	6586	End	11052
GI	4680179	Score	5531
Exons	6586..7645, 7673..11052		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o3.gs	Method	GENSCAN
Start	6649	End	11055
GI	none	Score	.51
Exons	6649..6980, 7005..7182, 7279..7450, 7515..7730, 8232..9050, 9576..10516, 10837..11055		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o8.tw	Method	TBLASTX:Wheat
Start	6795	End	6993
GI	none	Score	213
Exons	6795..6992, 6796..6993		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o7.tw	Method	TBLASTX:Wheat
Start	7042	End	7395
GI	none	Score	304
Exons	7042..7170, 7045..7395, 7193..7237, 7294..7329		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o6.tm	Method	TBLASTX:Maize
Start	7045	End	7383
GI	none	Score	235
Exons	7045..7383, 7045..7341		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o9.tw	Method	TBLASTX:Wheat
Start	7679	End	8052
GI	none	Score	129
Exons	7679..7846, 7714..7845, 7933..8052, 7938..8051		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o4.tw	Method	TBLASTX:Wheat
Start	8228	End	8698
GI	none	Score	525
Exons	8228..8698, 8275..8655		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055

Name	OJ991208_16.0103.C17.o4.ts	Method	TBLASTX:Soybean
Start	8252	End	8566
GI	none	Score	198
Exons	8252..8566		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o4.tm	Method	TBLASTX:Maize
Start	8281	End	8728
GI	none	Score	373
Exons	8281..8523, 8285..8728		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o1.ts	Method	TBLASTX:Soybean
Start	8639	End	9034
GI	none	Score	57
Exons	8639..8671, 8639..8671, 8675..9034, 8677..8718, 8678..8818, 8791..8928, 8870..9004		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o5.tm	Method	TBLASTX:Maize
Start	8780	End	9115
GI	none	Score	313
Exons	8780..9115, 8836..9114		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o5.tw	Method	TBLASTX:Wheat
Start	8780	End	9049
GI	none	Score	373
Exons	8780..9049, 8788..9048, 8798..9049		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o3.tw	Method	TBLASTX:Wheat
Start	9050	End	9475
GI	none	Score	596
Exons	9050..9475, 9052..9468		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o3.ts	Method	TBLASTX:Soybean
Start	9056	End	9304
GI	none	Score	201
Exons	9056..9304		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055

Name	OJ991208_16.0103.C17.o2.tm	Method	TBLASTX:Maize
Start	9122	End	9475
GI	none	Score	462
Exons	9122..9475, 9127..9468		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o2.tw	Method	TBLASTX:Wheat
Start	9503	End	10042
GI	none	Score	620
Exons	9503..10042, 9508..10038, 9587..10042		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o1.tc	Method	TBLASTX:Cress
Start	9740	End	10066
GI	none	Score	90
Exons	9740..9922, 9923..10066, 9925..10065		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o2.ts	Method	TBLASTX:Soybean
Start	9830	End	10090
GI	none	Score	290
Exons	9830..10090, 9841..10089, 9842..10090		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o3.tm	Method	TBLASTX:Maize
Start	9888	End	10180
GI	none	Score	86
Exons	9888..9989, 9889..10176, 9890..10180, 9890..10177		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o1.tw	Method	TBLASTX:Wheat
Start	10049	End	10672
GI	none	Score	697
Exons	10049..10669, 10051..10554, 10058..10672		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055
Name	OJ991208_16.0103.C17.o1.tm	Method	TBLASTX:Maize
Start	10228	End	10812
GI	none	Score	220
Exons	10228..10383, 10229..10390, 10387..10518, 10388..10669, 10420..10686, 10547..10672, 10653..10811, 10654..10812		

Seq. No.	32142	Seq. ID	OJ991208_16.0103.C17
Gene No.	66498	Strand	+
Start	6586	End	11055

Name	OJ991208_16.0103.C17.o6.tw	Method	TBLASTX:Wheat
Start	10674	End	11007
GI	none	Score	307
Exons	10674..10955, 10675..11007		

Seq. No.	32143	Seq. ID	OJ991208_16.0103.C18
Gene No.	66499	Strand	+
Start	15	End	925
Name	OJ991208_16.0103.C18.o1.np	Method	AAT/NAP
Start	15	End	925
GI	5852178	Score	461
Exons	15..323, 355..467, 830..925		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	32143	Seq. ID	OJ991208_16.0103.C18
Gene No.	66499	Strand	+
Start	15	End	925
Name	OJ991208_16.0103.C18.o1.gs	Method	GENSCAN
Start	71	End	541
GI	none	Score	.87
Exons	71..323, 377..541		

Seq. No.	32144	Seq. ID	OJ991028_10.0118.C1
Gene No.	66500	Strand	+
Start	271	End	6716
Name	OJ991028_10.0118.C1.o1.gs	Method	GENSCAN
Start	271	End	6716
GI	none	Score	.46
Exons	271..361, 432..555, 1800..1904, 2187..2218, 3597..3709, 4126..4248, 4617..4778, 6096..6716		

Seq. No.	32144	Seq. ID	OJ991028_10.0118.C1
Gene No.	66500	Strand	+
Start	271	End	6716
Name	OJ991028_10.0118.C1.o1.gp	Method	AAT/GAP
Start	2015	End	2481
GI	none	Score	875
Exons	2015..2481		

Seq. No.	32144	Seq. ID	OJ991028_10.0118.C1
Gene No.	66500	Strand	+
Start	271	End	6716
Name	OJ991028_10.0118.C1.o2.gp	Method	AAT/GAP
Start	3478	End	5046
GI	21070_1.R1084	Score	1452
Exons	3478..3709, 4126..4248, 4617..5046		
GI Descrip.	'4928460/gb|AAD33596.1|AF133127_1 6.0e-28 (AF133127) thioredoxin h [Hevea brasiliensis]'		

Seq. No.	32144	Seq. ID	OJ991028_10.0118.C1
Gene No.	66500	Strand	+
Start	271	End	6716
Name	OJ991028_10.0118.C1.o2.tm	Method	TBLASTX:Maize
Start	3589	End	4854
GI	none	Score	152
Exons	3589..3711, 3596..3712, 4459..4491, 4603..4659, 4611..4745, 4616..4750, 4821..4850, 4828..4854		

Seq. No.	32144	Seq. ID	OJ991028_10.0118.C1
Gene No.	66500	Strand	+
Start	271	End	6716
Name	OJ991028_10.0118.C1.o1.np	Method	AAT/NAP
Start	3608	End	4766
GI	4928460	Score	289
Exons	3608..3709, 4126..4248, 4617..4766		
GI Descrip.	(AF133127) thioredoxin h [Hevea brasiliensis]		

Seq. No.	32144	Seq. ID	OJ991028_10.0118.C1
Gene No.	66500	Strand	+
Start	271	End	6716
Name	OJ991028_10.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	4114	End	4252
GI	none	Score	116
Exons	4114..4251, 4118..4231, 4118..4252, 4126..4251		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66501	Strand	+
Start	1	End	8199
Name	OJ991028_10.0118.C2.o1.np	Method	AAT/NAP
Start	1	End	6329
GI	2443887	Score	1460
Exons	1..100, 2506..2577, 2668..2742, 2827..3017, 3144..3835, 4388..4518, 4989..5171, 5462..5977, 6067..6329		
GI Descrip.	(AC002294) Similar to transcription factor gb|Z46606|1658307 and others [Arabidopsis thaliana]		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66501	Strand	+
Start	1	End	8199
Name	OJ991028_10.0118.C2.o1.gs	Method	GENSCAN
Start	1338	End	8199
GI	none	Score	.72
Exons	1338..1833, 1926..2078, 2244..2419, 2506..2577, 2668..2742, 2827..3835, 4388..4518, 4989..5210, 5471..5977, 6067..6335, 7482..8199		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66502	Strand	+
Start	9241	End	13671
Name	OJ991028_10.0118.C2.o2.gs	Method	GENSCAN
Start	9241	End	13671
GI	none	Score	.79
Exons	9241..9570, 10147..10222, 10339..10424, 10527..10831, 11083..11195, 11359..11390, 11757..11887, 12888..13093, 13197..13273, 13331..13420, 13530..13605, 13619..13671		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66502	Strand	+
Start	9241	End	13671
Name	OJ991028_10.0118.C2.o1.gp	Method	AAT/GAP
Start	10640	End	11797
GI	none	Score	651
Exons	10640..10831, 11083..11195, 11359..11390, 11757..11797		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66503	Strand	-
Start	13925	End	17080
Name	OJ991028_10.0118.C2.o2.gp	Method	AAT/GAP
Start	13925	End	14867
GI	13803_1.R1084	Score	953
Exons	13925..14176, 14376..14498, 14571..14672, 14791..14867		
GI Descrip.	'3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]'		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66503	Strand	-
Start	13925	End	17080
Name	OJ991028_10.0118.C2.o3.gs	Method	GENSCAN
Start	14385	End	17080
GI	none	Score	.91
Exons	14385..14498, 14571..14672, 14791..14856, 15188..15289, 15372..15428, 15532..15579, 15668..15901, 16817..16843, 16931..17080		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o6.tm	Method	TBLASTX:Maize
Start	2661	End	3287
GI	none	Score	124
Exons	2661..2741, 2665..2742, 2823..2921, 2824..2949, 2824..2925, 2826..2927, 2929..2949, 3087..3287, 3112..3285		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o1.tc	Method	TBLASTX:Cress
Start	3298	End	3729
GI	none	Score	127
Exons	3298..3405, 3300..3383, 3391..3450, 3511..3729, 3512..3727, 3513..3728		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o4.tm	Method	TBLASTX:Maize
Start	3319	End	3738
GI	none	Score	93
Exons	3319..3387, 3321..3383, 3379..3738, 3528..3728		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o1.ts	Method	TBLASTX:Soybean
Start	3615	End	4529
GI	none	Score	306
Exons	3615..3845, 3616..3843, 4371..4529, 4390..4524		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o1.tm	Method	TBLASTX:Maize

Start	4386	End	6796
GI	none	Score	82
Exons	4386..4523, 4387..4524, 4387..4518, 4992..5210, 4995..5198, 5128..5211, 5453..5572, 5454..5645, 5470..5646, 5471..5674, 5719..5979, 5727..5978, 5728..5979, 5732..5980, 5735..6028, 6064..6276, 6065..6208, 6066..6278, 6634..6795, 6677..6796		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o4.ts	Method	TBLASTX:Soybean
Start	4972	End	5210
GI	none	Score	66
Exons	4972..5076, 4985..5080, 4986..5210, 4986..5150, 4988..5158		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o3.ts	Method	TBLASTX:Soybean
Start	5463	End	6180
GI	none	Score	79
Exons	5463..5552, 5467..5517, 5467..5610, 5468..5644, 5828..5980, 5830..5979, 6052..6180, 6062..6157, 6066..6173, 6103..6177		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o2.tc	Method	TBLASTX:Cress
Start	6064	End	6796
GI	none	Score	322
Exons	6064..6276, 6066..6272, 6100..6279, 6676..6786, 6677..6796		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o5.ts	Method	TBLASTX:Soybean
Start	7690	End	8040
GI	none	Score	57
Exons	7690..7884, 7975..8040		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o5.tm	Method	TBLASTX:Maize
Start	9470	End	10723
GI	none	Score	115
Exons	9470..9577, 9496..9570, 10144..10224, 10144..10227, 10145..10237, 10336..10425, 10336..10428, 10338..10427, 10518..10652, 10525..10722, 10526..10702, 10526..10723		

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o3.tm	Method	TBLASTX:Maize
Start	11756	End	13669
GI	none	Score	59
Exons	11756..11812, 11756..11800, 11757..11813, 11805..11885,		

11811..11888, 11825..11890, 11825..11890, 12233..12322,
12234..12383, 12237..12323, 12500..12592, 12528..12575,
12676..12753, 12684..12749, 12698..12754, 12707..12757,
12891..12968, 12892..12957, 13021..13095, 13021..13095,
13023..13097, 13189..13278, 13196..13273, 13361..13423,
13363..13419, 13527..13628, 13529..13669, 13530..13637

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o1.tw	Method	TBLASTX:Wheat
Start	12521	End	12990
GI	none	Score	102

Exons 12521..12586, 12523..12588, 12525..12587, 12675..12749,
12678..12761, 12679..12762, 12680..12763, 12683..12811,
12793..12846, 12793..12849, 12865..12990, 12876..12986

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o2.tm	Method	TBLASTX:Maize
Start	13980	End	17020
GI	none	Score	34

Exons 13980..14012, 14069..14095, 14071..14094, 14077..14157,
14078..14158, 14375..14497, 14385..14504, 14386..14499,
14571..14681, 14572..14673, 14774..14854, 14788..14853,
14790..14858, 14791..14859, 14798..14857, 15191..15292,
15196..15294, 15231..15302, 15372..15425, 15372..15425,
15376..15426, 15514..15585, 15533..15577, 15659..15721,
15665..15709, 15669..15737, 15669..15719, 15718..15903,
15724..15903, 16882..17016, 16919..17020, 16931..17017

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o2.ts	Method	TBLASTX:Soybean
Start	14397	End	15739
GI	none	Score	71

Exons 14397..14504, 14404..14499, 14404..14508, 14571..14681,
14572..14688, 14785..14859, 15182..15247, 15191..15292,
15231..15290, 15330..15428, 15372..15413, 15376..15429,
15514..15576, 15524..15577, 15529..15585, 15671..15709,
15672..15737, 15674..15739

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-
Start	18261	End	19776
Name	OJ991028_10.0118.C2.o3.tc	Method	TBLASTX:Cress
Start	14397	End	15576
GI	none	Score	50

Exons 14397..14504, 14403..14498, 14404..14499, 14571..14684,
14571..14681, 14587..14688, 14788..14859, 15190..15279,
15190..15279, 15191..15295, 15191..15292, 15330..15428,
15373..15429, 15514..15576, 15530..15574

Seq. No.	32145	Seq. ID	OJ991028_10.0118.C2
Gene No.	66504	Strand	-

Start	18261	End	19776
Name	OJ991028_10.0118.C2.o3.np	Method	AAT/NAP
Start	18261	End	19776
GI	2982283	Score	97
Exons	18261..18452, 18634..18790, 19736..19776		
GI Descrip.	(AF051226) PREG-like protein [Picea mariana]		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66505	Strand	+
Start	788	End	13788
Name	OJ991028_10.0118.C3.o1.gs	Method	GENSCAN
Start	788	End	13785
GI	none	Score	.7
Exons	788..1044, 1914..2073, 2103..2212, 2535..2640, 2797..2927, 4356..4444, 5212..5263, 5811..5877, 6189..6359, 6473..6566, 6656..6735, 6850..6922, 7961..8111, 8707..8811, 8826..9032, 10003..10088, 10160..10317, 10404..10567, 10793..11709, 11868..12154, 12249..12467, 12554..12710, 13481..13785		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66505	Strand	+
Start	788	End	13788
Name	OJ991028_10.0118.C3.o1.gp	Method	AAT/GAP
Start	10685	End	11293
GI	none	Score	1007
Exons	10685..11293		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66505	Strand	+
Start	788	End	13788
Name	OJ991028_10.0118.C3.o2.gp	Method	AAT/GAP
Start	12547	End	13788
GI	969005	Score	642
Exons	12547..12710, 13481..13788		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66506	Strand	+
Start	15680	End	18243
Name	OJ991028_10.0118.C3.o2.gs	Method	GENSCAN
Start	15680	End	18243
GI	none	Score	.92
Exons	15680..15980, 16136..18243		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66507	Strand	+
Start	33646	End	35877
Name	OJ991028_10.0118.C3.o6.gs	Method	GENSCAN
Start	33646	End	35862
GI	none	Score	.6
Exons	33646..33882, 34223..34333, 34596..34783, 35136..35862		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66507	Strand	+
Start	33646	End	35877
Name	OJ991028_10.0118.C3.o3.np	Method	AAT/NAP
Start	33720	End	35877
GI	5042416	Score	431

Exons	33720..33781, 34617..34783, 35136..35877		
GI Descrip.	(AC006193) Unknown protein [Arabidopsis thaliana]		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66508	Strand	-
Start	580	End	1157
Name	OJ991028_10.0118.C3.o1.np	Method	AAT/NAP
Start	580	End	1157
GI	2982283	Score	159
Exons	580..821, 864..1157		
GI Descrip.	(AF051226) PREG-like protein [Picea mariana]		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66509	Strand	-
Start	20030	End	25819
Name	OJ991028_10.0118.C3.o3.gs	Method	GENSCAN
Start	20030	End	25819
GI	none	Score	.48
Exons	20030..20686, 20718..20909, 23653..24011, 24633..24801, 25024..25212, 25301..25468, 25805..25819		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66510	Strand	-
Start	28118	End	30646
Name	OJ991028_10.0118.C3.o4.gs	Method	GENSCAN
Start	28118	End	30646
GI	none	Score	.87
Exons	28118..29172, 29332..29899, 30485..30646		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66511	Strand	-
Start	31523	End	32490
Name	OJ991028_10.0118.C3.o5.gs	Method	GENSCAN
Start	31523	End	32440
GI	none	Score	.95
Exons	31523..32440		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66511	Strand	-
Start	31523	End	32490
Name	OJ991028_10.0118.C3.o2.np	Method	AAT/NAP
Start	31526	End	32490
GI	70645	Score	1493
Exons	31526..32490		
GI Descrip.	ubiquitin precursor - garden pea gi|20589|emb|CAA34886| (X17020) polyubiquitin (AA 1-381) [Pisum sativum] gi|4115339 (L81142) ubiquitin [Pisum sativum] gi|226707|prf||1603402A poly-ubiquitin [Pisum sativum]		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o9.tm	Method	TBLASTX:Maize
Start	4142	End	5649
GI	none	Score	189
Exons	4142..4267, 4145..4276, 4150..4269, 4343..4447, 4354..4443, 5001..5114, 5008..5115, 5010..5114, 5011..5115, 5209..5262,		

5210..5266, 5238..5282, 5548..5649, 5559..5645

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o5.ts	Method	TBLASTX:Soybean
Start	4156	End	5266
GI	none	Score	124
Exons	4156..4269, 4156..4287, 4157..4276, 4343..4447, 4354..4446, 5001..5114, 5016..5102, 5173..5250, 5207..5266		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o3.tc	Method	TBLASTX:Cress
Start	6285	End	7043
GI	none	Score	117
Exons	6285..6365, 6311..6355, 6472..6564, 6473..6592, 6658..6732, 6660..6734, 6697..6741, 6853..6921, 6864..6920, 6986..7042, 6999..7043		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o6.tc	Method	TBLASTX:Cress
Start	11037	End	11312
GI	none	Score	206
Exons	11037..11312, 11039..11146, 11192..11311		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o3.tm	Method	TBLASTX:Maize
Start	12046	End	13778
GI	none	Score	82
Exons	12046..12096, 12047..12097, 12101..12154, 12234..12464, 12236..12466, 12242..12466, 12249..12470, 12553..12714, 12554..12712, 13472..13564, 13476..13565, 13479..13586, 13480..13587, 13480..13587, 13591..13764, 13594..13773, 13596..13778		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o4.tw	Method	TBLASTX:Wheat
Start	12389	End	13568
GI	none	Score	91
Exons	12389..12466, 12390..12470, 12390..12467, 12552..12710, 12553..12714, 12554..12724, 13475..13561, 13476..13562, 13479..13568, 13480..13566		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o5.tc	Method	TBLASTX:Cress
Start	12429	End	12714
GI	none	Score	51

Exons	12429..12470, 12554..12712, 12556..12714		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o7.tm	Method	TBLASTX:Maize
Start	16893	End	17177
GI	none	Score	196
Exons	16893..17147, 16893..17177, 16894..17172		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o2.tm	Method	TBLASTX:Maize
Start	17179	End	17869
GI	none	Score	163
Exons	17179..17349, 17181..17336, 17335..17865, 17344..17694, 17351..17869, 17457..17864, 17731..17865		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o7.ts	Method	TBLASTX:Soybean
Start	17488	End	17865
GI	none	Score	221
Exons	17488..17865		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o2.tw	Method	TBLASTX:Wheat
Start	17754	End	18156
GI	none	Score	163
Exons	17754..17864, 17755..17868, 17755..17886, 17762..17893, 17765..17887, 17896..18156, 17923..18156		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o4.ts	Method	TBLASTX:Soybean
Start	17926	End	18240
GI	none	Score	268
Exons	17926..18240		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o7.tc	Method	TBLASTX:Cress
Start	17929	End	18216
GI	none	Score	203
Exons	17929..18216, 18015..18128		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o10.tm	Method	TBLASTX:Maize
Start	17938	End	18237

GI	none	Score	240
Exons	17938..18237, 17958..18233		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o2.tc	Method	TBLASTX:Cress
Start	23587	End	25447
GI	none	Score	78
Exons	23587..24039, 23599..23964, 23825..24040, 24607..24717, 24703..24795, 25021..25167, 25183..25224, 25295..25447, 25296..25415		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o8.tm	Method	TBLASTX:Maize
Start	23599	End	24795
GI	none	Score	71
Exons	23599..23676, 23602..23709, 23606..23710, 23731..23877, 23734..23877, 23884..23934, 23884..23937, 23924..24046, 23947..24039, 24679..24795		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o3.ts	Method	TBLASTX:Soybean
Start	23602	End	25438
GI	none	Score	103
Exons	23602..23715, 23603..23722, 23731..23871, 23813..23878, 23893..24039, 23919..24011, 24698..24802, 24712..24801, 25030..25164, 25030..25167, 25049..25165, 25295..25438, 25296..25328		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o6.tm	Method	TBLASTX:Maize
Start	25012	End	25438
GI	none	Score	133
Exons	25012..25224, 25052..25213, 25295..25438, 25305..25430		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o3.tw	Method	TBLASTX:Wheat
Start	25030	End	25439
GI	none	Score	62
Exons	25030..25146, 25030..25224, 25052..25165, 25295..25438, 25305..25439		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o2.ts	Method	TBLASTX:Soybean
Start	28116	End	28570
GI	none	Score	148

Exons	28116..28547, 28121..28570		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o4.tm	Method	TBLASTX:Maize
Start	28163	End	29818
GI	none	Score	210
Exons	28163..28795, 28257..28826, 28364..28831, 28538..28795, 28562..28801, 28922..29164, 28922..29161, 29330..29665, 29331..29555, 29339..29509, 29534..29722, 29609..29818, 29610..29801, 29621..29812		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o4.tc	Method	TBLASTX:Cress
Start	28298	End	29761
GI	none	Score	136
Exons	28298..28690, 28320..28691, 29327..29458, 29609..29761, 29622..29750		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o5.tw	Method	TBLASTX:Wheat
Start	28430	End	31425
GI	none	Score	112
Exons	28430..28795, 28431..28835, 28490..28606, 28931..29038, 29078..29176, 29342..29674, 29343..29555, 29609..29833, 31369..31425		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o8.ts	Method	TBLASTX:Soybean
Start	28571	End	29821
GI	none	Score	67
Exons	28571..28711, 28631..28801, 29336..29479, 29399..29776, 29645..29773, 29682..29780, 29702..29821		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	31477	End	32474
GI	none	Score	68
Exons	31477..31590, 31529..31585, 31531..31938, 31532..31984, 31532..31777, 31559..32446, 31560..31742, 31640..32233, 31649..32446, 31751..32086, 31757..32440, 31761..32474, 31993..32244, 31993..32310, 32016..32459, 32016..32459, 32135..32461, 32138..32461, 32207..32440, 32214..32453		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o1.tm	Method	TBLASTX:Maize

Start	31515	End	32453
GI	none	Score	526
Exons	31515..32213, 31515..32063, 31529..32086, 31559..32302, 31566..31742, 31644..31742, 31646..32440, 31649..32062, 31652..32086, 31654..32322, 31794..31847, 31872..31970, 32022..32441, 32022..32441, 32022..32303, 32100..32441, 32328..32453		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o1.tw	Method	TBLASTX:Wheat
Start	31515	End	32461
GI	none	Score	52
Exons	31515..31754, 31526..31585, 31530..31982, 31531..31590, 31531..31590, 31532..31777, 31536..32210, 31537..31590, 31559..32212, 31560..31739, 31560..31970, 31640..32089, 31754..32443, 31774..31941, 31788..32213, 31788..31967, 31993..32322, 31996..32322, 32016..32441, 32016..32441, 32211..32459, 32213..32461		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o1.tc	Method	TBLASTX:Cress
Start	31518	End	32479
GI	none	Score	623
Exons	31518..32438, 31526..32440, 31529..32461, 31529..32212, 31530..31982, 31533..32441, 31559..32479, 31559..32440, 31559..32440, 31757..32440, 31981..32322, 32016..32459, 32016..32462		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o5.tm	Method	TBLASTX:Maize
Start	34519	End	35808
GI	none	Score	82
Exons	34519..34605, 34519..34578, 34530..34604, 34542..34610, 34593..34784, 34607..34786, 34608..34784, 35068..35385, 35101..35385, 35566..35625, 35647..35709, 35752..35808		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o6.ts	Method	TBLASTX:Soybean
Start	35137	End	35832
GI	none	Score	103
Exons	35137..35280, 35302..35388, 35503..35703, 35550..35702, 35743..35832		

Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o8.tc	Method	TBLASTX:Cress
Start	35167	End	35850
GI	none	Score	95

Exons	35167..35382, 35592..35702, 35593..35850, 35620..35829		
Seq. No.	32146	Seq. ID	OJ991028_10.0118.C3
Gene No.	66512	Strand	-
Start	37447	End	37643
Name	OJ991028_10.0118.C3.o7.gs	Method	GENSCAN
Start	37447	End	37643
GI	none	Score	.66
Exons	37447..37643		
Seq. No.	32147	Seq. ID	OJ991028_10.0118.C4
Gene No.	66513	Strand	+
Start	62	End	465
Name	OJ991028_10.0118.C4.o1.gs	Method	GENSCAN
Start	62	End	465
GI	none	Score	.98
Exons	62..465		
Seq. No.	32147	Seq. ID	OJ991028_10.0118.C4
Gene No.	66513	Strand	+
Start	62	End	465
Name	OJ991028_10.0118.C4.o1.np	Method	AAT/NAP
Start	113	End	462
GI	4585973	Score	354
Exons	113..462		
GI Descrip.	(AC005287) translation initiation factor [Arabidopsis thaliana]		
Seq. No.	32147	Seq. ID	OJ991028_10.0118.C4
Gene No.	66514	Strand	-
Start	813	End	2426
Name	OJ991028_10.0118.C4.o1.tc	Method	TBLASTX:Cress
Start	211	End	465
GI	none	Score	340
Exons	211..465		
Seq. No.	32147	Seq. ID	OJ991028_10.0118.C4
Gene No.	66514	Strand	-
Start	813	End	2426
Name	OJ991028_10.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	211	End	486
GI	none	Score	332
Exons	211..486		
Seq. No.	32147	Seq. ID	OJ991028_10.0118.C4
Gene No.	66514	Strand	-
Start	813	End	2426
Name	OJ991028_10.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	211	End	486
GI	none	Score	331
Exons	211..486		
Seq. No.	32147	Seq. ID	OJ991028_10.0118.C4
Gene No.	66514	Strand	-
Start	813	End	2426
Name	OJ991028_10.0118.C4.o1.ts	Method	TBLASTX:Soybean
Start	211	End	465
GI	none	Score	337

Exons	211..465, 366..458		
Seq. No.	32147	Seq. ID	OJ991028_10.0118.C4
Gene No.	66514	Strand	-
Start	813	End	2426
Name	OJ991028_10.0118.C4.o2.gs	Method	GENSCAN
Start	813	End	2426
GI	none	Score	.41
Exons	813..998, 1044..1231, 1239..1487, 1577..1683, 1779..2041, 2046..2426		
Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66515	Strand	+
Start	6515	End	7960
Name	OJ991028_10.0118.C5.o3.np	Method	AAT/NAP
Start	6515	End	7960
GI	6907088	Score	981
Exons	6515..6652, 6828..7065, 7561..7960		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66516	Strand	+
Start	9049	End	9779
Name	OJ991028_10.0118.C5.o4.gs	Method	GENSCAN
Start	9049	End	9779
GI	none	Score	.96
Exons	9049..9235, 9553..9779		
Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66517	Strand	-
Start	1	End	4247
Name	OJ991028_10.0118.C5.o1.np	Method	AAT/NAP
Start	1	End	4076
GI	4680179	Score	4048
Exons	1..2917, 3020..4076		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66517	Strand	-
Start	1	End	4247
Name	OJ991028_10.0118.C5.o1.gs	Method	GENSCAN
Start	90	End	4247
GI	none	Score	.43
Exons	90..4247		
Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66518	Strand	-
Start	4565	End	5488
Name	OJ991028_10.0118.C5.o2.gs	Method	GENSCAN
Start	4565	End	5488
GI	none	Score	.98
Exons	4565..5488		
Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66518	Strand	-
Start	4565	End	5488
Name	OJ991028_10.0118.C5.o2.np	Method	AAT/NAP

Start	4568	End	5349
GI	6002794	Score	1294
Exons	4568..5349		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66519	Strand	-
Start	5636	End	9377
Name	OJ991028_10.0118.C5.o4.np	Method	AAT/NAP
Start	5636	End	9377
GI	5734709	Score	198
Exons	5636..5847, 7555..7816, 8264..8308, 8818..9377		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o4.tw	Method	TBLASTX:Wheat
Start	1	End	503
GI	none	Score	255
Exons	1..408, 3..503		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o7.tm	Method	TBLASTX:Maize
Start	3	End	219
GI	none	Score	138
Exons	3..218, 4..219		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	225	End	545
GI	none	Score	239
Exons	225..545, 228..545		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o2.ts	Method	TBLASTX:Soybean
Start	462	End	717
GI	none	Score	82
Exons	462..590, 462..710, 472..717		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	486	End	803
GI	none	Score	99
Exons	486..629, 502..627, 630..803, 684..782		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-

Start	9592	End	9788
Name	OJ991028_10.0118.C5.o2.tw	Method	TBLASTX:Wheat
Start	510	End	1034
GI	none	Score	267
Exons	510..1034, 514..882		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o5.tm	Method	TBLASTX:Maize
Start	546	End	863
GI	none	Score	120
Exons	546..863, 547..750, 630..824		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	1072	End	1430
GI	none	Score	229
Exons	1072..1353, 1077..1430, 1129..1428		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o1.tw	Method	TBLASTX:Wheat
Start	1077	End	1503
GI	none	Score	70
Exons	1077..1502, 1079..1216, 1092..1445, 1114..1503		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o3.ts	Method	TBLASTX:Soybean
Start	1251	End	1496
GI	none	Score	212
Exons	1251..1496		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o3.tm	Method	TBLASTX:Maize
Start	1467	End	1967
GI	none	Score	70
Exons	1467..1802, 1489..1758, 1788..1967		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o5.tw	Method	TBLASTX:Wheat
Start	1509	End	1805
GI	none	Score	154
Exons	1509..1805, 1546..1761		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788

Name	OJ991028_10.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	1518	End	1913
GI	none	Score	133
Exons	1518..1877, 1546..1761, 1801..1896, 1881..1913, 1881..1913		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o3.tw	Method	TBLASTX:Wheat
Start	1854	End	2337
GI	none	Score	162
Exons	1854..2336, 1866..2309, 1882..2337		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o4.tm	Method	TBLASTX:Maize
Start	2037	End	2324
GI	none	Score	180
Exons	2037..2324, 2038..2223		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o6.tw	Method	TBLASTX:Wheat
Start	2484	End	2883
GI	none	Score	78
Exons	2484..2648, 2533..2652, 2661..2882, 2728..2883		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o8.tm	Method	TBLASTX:Maize
Start	2563	End	2889
GI	none	Score	46
Exons	2563..2646, 2565..2888, 2748..2882, 2776..2889		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o6.tm	Method	TBLASTX:Maize
Start	3198	End	3599
GI	none	Score	241
Exons	3198..3599		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o7.tw	Method	TBLASTX:Wheat
Start	3480	End	3845
GI	none	Score	59
Exons	3480..3845, 3739..3840		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o5.np	Method	AAT/NAP

Start	9592	End	9788
GI	4680179	Score	200
Exons	9592..9788		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o8.tw	Method	TBLASTX:Wheat
Start	9636	End	9788
GI	none	Score	100
Exons	9636..9788, 9657..9788		

Seq. No.	32148	Seq. ID	OJ991028_10.0118.C5
Gene No.	66520	Strand	-
Start	9592	End	9788
Name	OJ991028_10.0118.C5.o9.tm	Method	TBLASTX:Maize
Start	9651	End	9788
GI	none	Score	79
Exons	9651..9788, 9654..9776		

Seq. No.	32149	Seq. ID	OJ991028_10.0118.C6
Gene No.	66521	Strand	+
Start	2639	End	3159
Name	OJ991028_10.0118.C6.o2.np	Method	AAT/NAP
Start	2639	End	3159
GI	4586026	Score	131
Exons	2639..2688, 2815..2917, 3133..3159		
GI Descrip.	(AC007109) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32149	Seq. ID	OJ991028_10.0118.C6
Gene No.	66522	Strand	+
Start	3999	End	4448
Name	OJ991028_10.0118.C6.o1.gp	Method	AAT/GAP
Start	3999	End	4448
GI	none	Score	884
Exons	3999..4448		

Seq. No.	32149	Seq. ID	OJ991028_10.0118.C6
Gene No.	66523	Strand	-
Start	47	End	4143
Name	OJ991028_10.0118.C6.o1.gs	Method	GENSCAN
Start	47	End	4143
GI	none	Score	.75
Exons	47..310, 974..1094, 1651..1820, 2777..2887, 3916..4143		

Seq. No.	32149	Seq. ID	OJ991028_10.0118.C6
Gene No.	66523	Strand	-
Start	47	End	4143
Name	OJ991028_10.0118.C6.o1.np	Method	AAT/NAP
Start	2077	End	2302
GI	6069646	Score	91
Exons	2077..2302		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)		

[Oryza sativa]

Seq. No.	32149	Seq. ID	OJ991028_10.0118.C6
Gene No.	66524	Strand	-
Start	5293	End	5495
Name	OJ991028_10.0118.C6.o2.gs	Method	GENSCAN
Start	5293	End	5495
GI	none	Score	.82
Exons	5293..5495		

Seq. No.	32150	Seq. ID	OJ991028_10.0118.C7
Gene No.	66525	Strand	+
Start	5762	End	8703
Name	OJ991028_10.0118.C7.o3.gs	Method	GENSCAN
Start	5762	End	8703
GI	none	Score	.58
Exons	5762..6427, 7823..7871, 8390..8501, 8601..8703		

Seq. No.	32150	Seq. ID	OJ991028_10.0118.C7
Gene No.	66525	Strand	+
Start	5762	End	8703
Name	OJ991028_10.0118.C7.o1.np	Method	AAT/NAP
Start	5786	End	6400
GI	399325	Score	269
Exons	5786..6400		
GI Descrip.	HEME EXPORTER PROTEIN A (CYTOCHROME C-TYPE BIOGENESIS ATP-BINDING PROTEIN CYCV) gi|95141|pir||A39741 cytochrome c biogenesis protein CycV - Bradyrhizobium japonicum gi|152074 (M60874) putative [Bradyrhizobium japonicum]		

Seq. No.	32150	Seq. ID	OJ991028_10.0118.C7
Gene No.	66526	Strand	-
Start	723	End	1551
Name	OJ991028_10.0118.C7.o1.gs	Method	GENSCAN
Start	723	End	1490
GI	none	Score	.73
Exons	723..890, 991..1068, 1185..1490		

Seq. No.	32150	Seq. ID	OJ991028_10.0118.C7
Gene No.	66526	Strand	-
Start	723	End	1551
Name	OJ991028_10.0118.C7.o1.gp	Method	AAT/GAP
Start	1185	End	1551
GI	3768067	Score	675
Exons	1185..1551		

Seq. No.	32150	Seq. ID	OJ991028_10.0118.C7
Gene No.	66527	Strand	-
Start	2685	End	2927
Name	OJ991028_10.0118.C7.o2.gs	Method	GENSCAN
Start	2685	End	2927
GI	none	Score	.45
Exons	2685..2927		

Seq. No.	32150	Seq. ID	OJ991028_10.0118.C7
Gene No.	66528	Strand	-
Start	10602	End	12516

Name	OJ991028_10.0118.C7.o4.gs	Method	GENSCAN
Start	10602	End	12516
GI	none	Score	.41
Exons	10602..10750, 11832..11990, 12309..12516		

Seq. No.	32150	Seq. ID	OJ991028_10.0118.C7
Gene No.	66529	Strand	-
Start	13566	End	15052
Name	OJ991028_10.0118.C7.o2.tm	Method	TBLASTX:Maize
Start	5765	End	5934
GI	none	Score	186
Exons	5765..5839, 5800..5934, 5801..5932		

Seq. No.	32150	Seq. ID	OJ991028_10.0118.C7
Gene No.	66529	Strand	-
Start	13566	End	15052
Name	OJ991028_10.0118.C7.o1.tm	Method	TBLASTX:Maize
Start	6001	End	6271
GI	none	Score	187
Exons	6001..6114, 6002..6112, 6110..6271, 6113..6271		

Seq. No.	32150	Seq. ID	OJ991028_10.0118.C7
Gene No.	66529	Strand	-
Start	13566	End	15052
Name	OJ991028_10.0118.C7.o5.gs	Method	GENSCAN
Start	13566	End	15052
GI	none	Score	.8
Exons	13566..13746, 14826..15052		

Seq. No.	32151	Seq. ID	OJ991028_10.0118.C8
Gene No.	66530	Strand	+
Start	5869	End	7301
Name	OJ991028_10.0118.C8.o1.np	Method	AAT/NAP
Start	5869	End	7301
GI	6907088	Score	1100
Exons	5869..6006, 6182..6419, 6919..7301		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66531	Strand	+
Start	1951	End	7724
Name	OJ991028_10.0118.C10.o1.np	Method	AAT/NAP
Start	1951	End	7718
GI	2147484	Score	2651
Exons	1951..2082, 3216..3436, 4027..4144, 4757..4945, 5039..5497, 5630..5731, 5876..6076, 6192..6366, 6504..6775, 7144..7239, 7344..7718		
GI Descrip.	homeotic protein - Phalaenopsis sp gi|1173622 (U34743) homeobox protein [Phalaenopsis sp. 'hybrid SM9108']		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66531	Strand	+
Start	1951	End	7724
Name	OJ991028_10.0118.C10.o1.gs	Method	GENSCAN
Start	1966	End	7724
GI	none	Score	.84
Exons	1966..2049, 3162..3436, 4027..4144, 4757..4945, 5039..5497,		

5630..5731, 5876..6181, 6192..6366, 6504..6775, 7144..7239, 7344..7724

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66531	Strand	+
Start	1951	End	7724
Name	OJ991028_10.0118.C10.o1.gp	Method	AAT/GAP
Start	5052	End	5477
GI	5004265	Score	820
Exons	5052..5477		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66532	Strand	+
Start	7698	End	8280
Name	OJ991028_10.0118.C10.o2.gp	Method	AAT/GAP
Start	7698	End	8280
GI	33381_1.R1084	Score	772
Exons	7698..7770, 7878..8280		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o1.tc	Method	TBLASTX:Cress
Start	3363	End	7708
GI	none	Score	53
Exons	3363..3395, 3384..3437, 4010..4150, 4029..4145, 4748..4948, 4762..4956, 5023..5082, 5036..5089, 5219..5314, 5348..5521, 5383..5493, 5620..5730, 5630..5734, 5875..6081, 5876..6082, 6183..6362, 6189..6323, 6263..6358, 6497..6775, 6502..6780, 7141..7215, 7143..7238, 7143..7211, 7343..7513, 7349..7423, 7383..7526, 7578..7703, 7589..7708		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o3.ts	Method	TBLASTX:Soybean
Start	4067	End	5107
GI	none	Score	129
Exons	4067..4150, 4748..4948, 4751..4828, 4762..4929, 5018..5107, 5038..5088		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o4.tm	Method	TBLASTX:Maize
Start	4067	End	5107
GI	none	Score	137
Exons	4067..4150, 4748..4948, 4751..4828, 4762..4956, 5036..5107, 5038..5088		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	5225	End	6570

GI	none	Score	119
Exons	5225..5314, 5270..5314, 5360..5494, 5389..5493, 5444..5494, 5620..5730, 5629..5730, 5630..5734, 5630..5734, 5810..5845, 5875..6081, 5876..6079, 6183..6365, 6260..6370, 6497..6568, 6502..6570		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o5.tm	Method	TBLASTX:Maize
Start	5872	End	6049
GI	none	Score	64
Exons	5872..5952, 5875..5991, 5882..5995, 5882..5992, 5993..6049		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o2.tm	Method	TBLASTX:Maize
Start	6050	End	7697
GI	none	Score	59
Exons	6050..6082, 6171..6323, 6183..6365, 6260..6382, 6487..6786, 6497..6775, 7141..7218, 7142..7237, 7143..7238, 7343..7513, 7349..7447, 7383..7526, 7485..7523, 7572..7694, 7578..7697, 7589..7696		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o6.ts	Method	TBLASTX:Soybean
Start	6614	End	7414
GI	none	Score	215
Exons	6614..6775, 6616..6786, 7141..7215, 7142..7222, 7349..7414		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o4.ts	Method	TBLASTX:Soybean
Start	7416	End	7715
GI	none	Score	177
Exons	7416..7523, 7418..7513, 7578..7715, 7592..7714		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o7.tm	Method	TBLASTX:Maize
Start	7880	End	8288
GI	none	Score	118
Exons	7880..7951, 7890..7955, 8007..8090, 8008..8091, 8011..8091, 8012..8092, 8018..8092, 8106..8156, 8271..8288		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o2.gs	Method	GENSCAN
Start	8778	End	13207
GI	none	Score	.78
Exons	8778..8827, 9062..9263, 9363..9522, 9604..9731, 10116..10187,		

10656..10732, 10824..10971, 11056..11202, 12213..12309,
12403..12494, 12825..12971, 13082..13207

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o3.tm	Method	TBLASTX:Maize
Start	9051	End	9522
GI	none	Score	216
Exons	9051..9266, 9088..9264, 9089..9265, 9330..9491, 9361..9522, 9361..9516, 9362..9517		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o5.ts	Method	TBLASTX:Soybean
Start	9159	End	9471
GI	none	Score	106
Exons	9159..9266, 9160..9273, 9357..9458, 9360..9470, 9361..9471		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	9610	End	12273
GI	none	Score	155
Exons	9610..9732, 9611..9733, 9611..9748, 9877..9942, 10116..10187, 10117..10188, 10124..10189, 10638..10742, 10644..10721, 10654..10746, 10816..10971, 10823..10972, 11045..11176, 11046..11204, 11051..11203, 11056..11205, 11059..11205, 11070..11213, 11286..11384, 11291..11386, 11353..11388, 11622..11699, 11672..11761, 11673..11762, 11683..11763, 11891..11938, 11892..11939, 12213..12272, 12214..12273		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o2.ts	Method	TBLASTX:Soybean
Start	10831	End	11386
GI	none	Score	99
Exons	10831..10968, 10841..10966, 11032..11205, 11056..11205, 11151..11213, 11289..11381, 11291..11386		

Seq. No.	32152	Seq. ID	OJ991028_10.0118.C10
Gene No.	66533	Strand	-
Start	8778	End	13228
Name	OJ991028_10.0118.C10.o6.tm	Method	TBLASTX:Maize
Start	12273	End	13228
GI	none	Score	53
Exons	12273..12311, 12274..12315, 12381..12494, 12403..12495, 12407..12499, 12407..12493, 12817..13023, 12855..12971, 13079..13228, 13164..13217		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66534	Strand	+
Start	497	End	5168
Name	OJ991028_10.0118.C11.o3.np	Method	AAT/NAP

Start	497	End	5168
GI	6069646	Score	104
Exons	497..554, 5045..5168		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66535	Strand	+
Start	6940	End	8098
Name	OJ991028_10.0118.C11.o5.np	Method	AAT/NAP
Start	6940	End	8098
GI	421954	Score	729
Exons	6940..8098		
GI Descrip.	hypothetical protein 3 - potato transposon Tst1 gi|21433|emb|CAA36615| (X52387) ORF3 [Solanum tuberosum]		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66536	Strand	-
Start	807	End	3188
Name	OJ991028_10.0118.C11.o2.gs	Method	GENSCAN
Start	807	End	1850
GI	none	Score	.74
Exons	807..917, 1761..1850		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66536	Strand	-
Start	807	End	3188
Name	OJ991028_10.0118.C11.o1.np	Method	AAT/NAP
Start	1322	End	3188
GI	6907086	Score	1438
Exons	1322..1512, 1566..1713, 1818..1900, 2123..2365, 2423..3188		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66536	Strand	-
Start	807	End	3188
Name	OJ991028_10.0118.C11.o3.gs	Method	GENSCAN
Start	2403	End	2972
GI	none	Score	.78
Exons	2403..2972		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66537	Strand	-
Start	3889	End	8130
Name	OJ991028_10.0118.C11.o2.np	Method	AAT/NAP
Start	3889	End	6356
GI	4680186	Score	192
Exons	3889..4315, 4498..4557, 6128..6356		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66537	Strand	-
Start	3889	End	8130
Name	OJ991028_10.0118.C11.o4.gs	Method	GENSCAN

Start	6077	End	7794
GI	none	Score	.76
Exons	6077..6534, 7706..7794		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66537	Strand	-
Start	3889	End	8130
Name	OJ991028_10.0118.C11.o2.tm	Method	TBLASTX:Maize
Start	7102	End	7446
GI	none	Score	90
Exons	7102..7173, 7122..7166, 7204..7440, 7240..7446, 7322..7441		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66537	Strand	-
Start	3889	End	8130
Name	OJ991028_10.0118.C11.o1.tm	Method	TBLASTX:Maize
Start	7456	End	8130
GI	none	Score	68
Exons	7456..7524, 7534..8130, 7558..7755, 7602..7838, 7860..8120		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66537	Strand	-
Start	3889	End	8130
Name	OJ991028_10.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	7465	End	8073
GI	none	Score	284
Exons	7465..7851, 7482..7847, 7866..7943, 7867..7956, 7951..8073		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66537	Strand	-
Start	3889	End	8130
Name	OJ991028_10.0118.C11.o1.ts	Method	TBLASTX:Soybean
Start	7630	End	8091
GI	none	Score	288
Exons	7630..8091, 7704..7931		

Seq. No.	32153	Seq. ID	OJ991028_10.0118.C11
Gene No.	66537	Strand	-
Start	3889	End	8130
Name	OJ991028_10.0118.C11.o1.tc	Method	TBLASTX:Cress
Start	7645	End	8094
GI	none	Score	294
Exons	7645..8094, 7647..7844		

Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66538	Strand	+
Start	23	End	3904
Name	OJ991028_10.0118.C12.o1.np	Method	AAT/NAP
Start	23	End	1190
GI	421955	Score	1115
Exons	23..1190		
GI Descrip.	hypothetical protein 4 - potato transposon Tst1 gi|21434|emb|CAA36616| (X52387) ORF4 [Solanum tuberosum]		

Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66538	Strand	+
Start	23	End	3904

Name	OJ991028_10.0118.C12.o1.gs	Method	GENSCAN
Start	470	End	3900
GI	none	Score	.55
Exons	470..1135, 2003..2286, 2579..2858, 2995..3150, 3526..3900		

Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66538	Strand	+
Start	23	End	3904
Name	OJ991028_10.0118.C12.o2.np	Method	AAT/NAP
Start	2036	End	3904
GI	5803254	Score	725
Exons	2036..2858, 2995..3150, 3526..3904		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66539	Strand	+
Start	6709	End	7230
Name	OJ991028_10.0118.C12.o3.np	Method	AAT/NAP
Start	6709	End	7230
GI	5803254	Score	220
Exons	6709..6813, 6856..7230		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66540	Strand	-
Start	4241	End	7011
Name	OJ991028_10.0118.C12.o2.tm	Method	TBLASTX:Maize
Start	2	End	439
GI	none	Score	308
Exons	2..439, 16..177		

Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66540	Strand	-
Start	4241	End	7011
Name	OJ991028_10.0118.C12.o2.tw	Method	TBLASTX:Wheat
Start	2	End	373
GI	none	Score	149
Exons	2..205, 19..150, 197..373, 265..369		

Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66540	Strand	-
Start	4241	End	7011
Name	OJ991028_10.0118.C12.o2.ts	Method	TBLASTX:Soybean
Start	2	End	295
GI	none	Score	89
Exons	2..88, 113..295		

Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66540	Strand	-
Start	4241	End	7011
Name	OJ991028_10.0118.C12.o1.tc	Method	TBLASTX:Cress
Start	263	End	502
GI	none	Score	185

Exons	263..502		
Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66540	Strand	-
Start	4241	End	7011
Name	OJ991028_10.0118.C12.o3.ts	Method	TBLASTX:Soybean
Start	359	End	538
GI	none	Score	182
Exons	359..538, 361..504		
Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66540	Strand	-
Start	4241	End	7011
Name	OJ991028_10.0118.C12.o1.tw	Method	TBLASTX:Wheat
Start	374	End	802
GI	none	Score	135
Exons	374..535, 382..528, 557..802, 583..687, 756..791		
Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66540	Strand	-
Start	4241	End	7011
Name	OJ991028_10.0118.C12.o1.tm	Method	TBLASTX:Maize
Start	548	End	1210
GI	none	Score	313
Exons	548..898, 646..897, 974..1210, 985..1053		
Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66540	Strand	-
Start	4241	End	7011
Name	OJ991028_10.0118.C12.o1.ts	Method	TBLASTX:Soybean
Start	566	End	1246
GI	none	Score	389
Exons	566..901, 595..1053, 750..1040, 980..1246, 1124..1240		
Seq. No.	32154	Seq. ID	OJ991028_10.0118.C12
Gene No.	66540	Strand	-
Start	4241	End	7011
Name	OJ991028_10.0118.C12.o2.gs	Method	GENSCAN
Start	4241	End	7011
GI	none	Score	.44
Exons	4241..4326, 4860..5334, 5382..5507, 6907..7011		
Seq. No.	32155	Seq. ID	OJ991028_10.0118.C14
Gene No.	66541	Strand	-
Start	1	End	715
Name	OJ991028_10.0118.C14.o1.gp	Method	AAT/GAP
Start	1	End	715
GI	294_6.R1084	Score	1233
Exons	1..715		
GI Descrip.	'541546/pir||S40611 2.0e-55 ubiquitin precursor - Volvox carteri >gi_395295_emb_CAA52290_ (X74214) polyubiquitin [Volvox carteri]'		
Seq. No.	32155	Seq. ID	OJ991028_10.0118.C14
Gene No.	66541	Strand	-
Start	1	End	715
Name	OJ991028_10.0118.C14.o1.np	Method	AAT/NAP

Start	1	End	715
GI	100525	Score	1175
Exons	1..715		
GI Descrip.	ubiquitin precursor UbB2 - common sunflower (fragment) gi|18803|emb|CAA40323| (X57003) polyubiquitin protein [Helianthus annuus]		

Seq. No.	32155	Seq. ID	OJ991028_10.0118.C14
Gene No.	66541	Strand	-
Start	1	End	715
Name	OJ991028_10.0118.C14.o1.gs	Method	GENSCAN
Start	2	End	634
GI	none	Score	1
Exons	2..634		

Seq. No.	32155	Seq. ID	OJ991028_10.0118.C14
Gene No.	66541	Strand	-
Start	1	End	715
Name	OJ991028_10.0118.C14.o1.tc	Method	TBLASTX:Cress
Start	2	End	715
GI	none	Score	561
Exons	2..715, 2..508, 3..392, 3..389, 3..179, 3..227, 3..617, 3..389, 5..715, 5..715, 5..715, 5..634, 168..683, 179..715, 403..711, 438..635, 438..713, 438..713, 438..713, 624..713		

Seq. No.	32155	Seq. ID	OJ991028_10.0118.C14
Gene No.	66541	Strand	-
Start	1	End	715
Name	OJ991028_10.0118.C14.o1.tm	Method	TBLASTX:Maize
Start	3	End	715
GI	none	Score	583
Exons	3..392, 3..392, 3..269, 3..635, 5..712, 5..496, 66..392, 68..715, 77..508, 304..711, 403..504, 444..713, 444..713, 444..713, 522..713, 557..715, 560..715, 560..715		

Seq. No.	32155	Seq. ID	OJ991028_10.0118.C14
Gene No.	66541	Strand	-
Start	1	End	715
Name	OJ991028_10.0118.C14.o1.tw	Method	TBLASTX:Wheat
Start	3	End	715
GI	none	Score	883
Exons	3..635, 3..632, 5..634, 176..715, 177..389, 182..715, 633..713, 635..715		

Seq. No.	32155	Seq. ID	OJ991028_10.0118.C14
Gene No.	66541	Strand	-
Start	1	End	715
Name	OJ991028_10.0118.C14.o1.ts	Method	TBLASTX:Soybean
Start	3	End	715
GI	none	Score	526
Exons	3..392, 3..392, 3..368, 3..389, 5..715, 5..715, 5..595, 21..596, 156..392, 173..508, 179..715, 438..713, 438..713, 438..713, 438..713, 438..596, 454..714, 557..715, 557..715, 560..715, 612..713		

Seq. No.	32156	Seq. ID	OJ991208_10.0107.C2
Gene No.	66542	Strand	+

Start	457	End	929
Name	OJ991208_10.0107.C2.o1.gp	Method	AAT/GAP
Start	457	End	929
GI	none	Score	946
Exons	457..929		

Seq. No.	32156	Seq. ID	OJ991208_10.0107.C2
Gene No.	66543	Strand	-
Start	1247	End	2067
Name	OJ991208_10.0107.C2.o2.gp	Method	AAT/GAP
Start	1247	End	2067
GI	34168_1.R1084	Score	1613
Exons	1247..2067		
GI Descrip.	'3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]'		

Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66544	Strand	+
Start	522	End	849
Name	OJ991208_10.0107.C3.o1.gp	Method	AAT/GAP
Start	522	End	849
GI	none	Score	633
Exons	522..849		

Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66545	Strand	+
Start	936	End	1338
Name	OJ991208_10.0107.C3.o2.gp	Method	AAT/GAP
Start	936	End	1338
GI	LIB3433-031-P1-K1-D7	Score	767
Exons	936..1338		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66546	Strand	+
Start	7284	End	12629
Name	OJ991208_10.0107.C3.o2.np	Method	AAT/NAP
Start	7269	End	10553
GI	4587551	Score	141
Exons	7269..7504, 8194..8325, 10488..10553		
GI Descrip.	(AC006577) F15I1.18 [Arabidopsis thaliana]		

Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66546	Strand	+
Start	7284	End	12629
Name	OJ991208_10.0107.C3.o2.gs	Method	GENSCAN
Start	7284	End	12629
GI	none	Score	.41
Exons	7284..7679, 8259..8422, 8816..8896, 10815..11817, 12104..12248, 12442..12629		

Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66547	Strand	+
Start	12871	End	13344
Name	OJ991208_10.0107.C3.o3.np	Method	AAT/NAP
Start	12871	End	13344
GI	6539553	Score	812

Exons	12871..13344		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66548	Strand	-
Start	817	End	3911
Name	OJ991208_10.0107.C3.o1.gs	Method	GENSCAN
Start	817	End	3830
GI	none	Score	.89
Exons	817..1212, 1611..1671, 1754..1857, 1979..2038, 2718..2898, 3172..3336, 3694..3830		
Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66548	Strand	-
Start	817	End	3911
Name	OJ991208_10.0107.C3.o1.np	Method	AAT/NAP
Start	820	End	3833
GI	4587566	Score	495
Exons	820..1212, 1976..2038, 2126..2159, 2735..2898, 3172..3336, 3694..3833		
GI Descrip.	(AC006550) Contains 2 PF|00400 WD40, G-beta repeats. [Arabidopsis thaliana]		
Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66548	Strand	-
Start	817	End	3911
Name	OJ991208_10.0107.C3.o3.gp	Method	AAT/GAP
Start	2704	End	3911
GI	uC-osf1cyp053a02b1	Score	1011
Exons	2704..2898, 3172..3336, 3694..3911		
GI Descrip.	'4587566/gb|AAD25797.1|AC006550_5 8.0e-34 (AC006550) Contains 2 PF_00400 WD40, G-beta repeats. [Arabidopsis thaliana]'		
Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66549	Strand	-
Start	12829	End	13313
Name	OJ991208_10.0107.C3.o1.tm	Method	TBLASTX:Maize
Start	832	End	2039
GI	none	Score	85
Exons	832..954, 848..955, 850..951, 896..952, 948..1031, 949..1215, 953..1216, 1583..1660, 1594..1674, 1596..1673, 1735..1860, 1754..1867, 1755..1859, 1756..1860, 1976..2038, 1980..2039		
Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66549	Strand	-
Start	12829	End	13313
Name	OJ991208_10.0107.C3.o2.tm	Method	TBLASTX:Maize
Start	2123	End	3209
GI	none	Score	90
Exons	2123..2200, 2124..2201, 2367..2441, 2369..2455, 2373..2441, 2532..2603, 2533..2598, 2718..2897, 2718..2897, 2719..2901, 3171..3209		
Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3

Gene No.	66549	Strand	-
Start	12829	End	13313
Name	OJ991208_10.0107.C3.o4.tm	Method	TBLASTX:Maize
Start	11224	End	11454
GI	none	Score	257
Exons	11224..11454, 11232..11453		

Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66549	Strand	-
Start	12829	End	13313
Name	OJ991208_10.0107.C3.o3.gs	Method	GENSCAN
Start	12829	End	13200
GI	none	Score	.47
Exons	12829..13200		

Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66549	Strand	-
Start	12829	End	13313
Name	OJ991208_10.0107.C3.o1.tw	Method	TBLASTX:Wheat
Start	12865	End	13251
GI	none	Score	346
Exons	12865..13251, 12876..13250		

Seq. No.	32157	Seq. ID	OJ991208_10.0107.C3
Gene No.	66549	Strand	-
Start	12829	End	13313
Name	OJ991208_10.0107.C3.o3.tm	Method	TBLASTX:Maize
Start	13000	End	13313
GI	none	Score	353
Exons	13000..13311, 13008..13313		

Seq. No.	32158	Seq. ID	OJ991208_10.0107.C4
Gene No.	66550	Strand	-
Start	1	End	808
Name	OJ991208_10.0107.C4.o1.np	Method	AAT/NAP
Start	1	End	808
GI	6069657	Score	258
Exons	1..107, 576..808		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	32159	Seq. ID	OJ991208_10.0107.C5
Gene No.	66551	Strand	+
Start	1	End	337
Name	OJ991208_10.0107.C5.o1.np	Method	AAT/NAP
Start	1	End	337
GI	6539553	Score	567
Exons	1..337		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	32159	Seq. ID	OJ991208_10.0107.C5
Gene No.	66551	Strand	+
Start	1	End	337
Name	OJ991208_10.0107.C5.o1.tm	Method	TBLASTX:Maize
Start	3	End	298

GI	none	Score	380
Exons	3..287, 3..290, 14..298		

Seq. No.	32159	Seq. ID	OJ991208_10.0107.C5
Gene No.	66551	Strand	+
Start	1	End	337
Name	OJ991208_10.0107.C5.o1.gs	Method	GENSCAN
Start	33	End	305
GI	none	Score	.44
Exons	33..305		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66552	Strand	+
Start	1	End	2070
Name	OJ991208_10.0107.C6.o1.np	Method	AAT/NAP
Start	1	End	2070
GI	6539553	Score	3525
Exons	1..2070		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66552	Strand	+
Start	1	End	2070
Name	OJ991208_10.0107.C6.o1.gs	Method	GENSCAN
Start	281	End	1963
GI	none	Score	.52
Exons	281..1963		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66553	Strand	+
Start	3679	End	4433
Name	OJ991208_10.0107.C6.o2.np	Method	AAT/NAP
Start	3679	End	4433
GI	3810596	Score	205
Exons	3679..4433		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66554	Strand	-
Start	5913	End	6144
Name	OJ991208_10.0107.C6.o1.tw	Method	TBLASTX:Wheat
Start	2	End	655
GI	none	Score	471
Exons	2..364, 8..376, 13..387, 408..638, 416..655, 438..635, 496..654		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66554	Strand	-
Start	5913	End	6144
Name	OJ991208_10.0107.C6.o1.ts	Method	TBLASTX:Soybean
Start	575	End	1039
GI	5509260	Score	382
Exons	575..1039, 676..744, 793..888, 961..1020		
GI Descrip.	-		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66554	Strand	-
Start	5913	End	6144
Name	OJ991208_10.0107.C6.o1.tc	Method	TBLASTX:Cress
Start	668	End	928
GI	none	Score	286
Exons	668..928, 670..747		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66554	Strand	-
Start	5913	End	6144
Name	OJ991208_10.0107.C6.o1.tm	Method	TBLASTX:Maize
Start	709	End	1174
GI	none	Score	362
Exons	709..891, 710..1174, 845..1027, 961..1071		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66554	Strand	-
Start	5913	End	6144
Name	OJ991208_10.0107.C6.o3.tw	Method	TBLASTX:Wheat
Start	710	End	1255
GI	none	Score	313
Exons	710..1054, 857..1030, 1070..1255, 1123..1245		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66554	Strand	-
Start	5913	End	6144
Name	OJ991208_10.0107.C6.o2.ts	Method	TBLASTX:Soybean
Start	1108	End	1453
GI	none	Score	314
Exons	1108..1308, 1109..1453		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66554	Strand	-
Start	5913	End	6144
Name	OJ991208_10.0107.C6.o2.tm	Method	TBLASTX:Maize
Start	1264	End	1603
GI	none	Score	310
Exons	1264..1602, 1265..1603		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66554	Strand	-
Start	5913	End	6144
Name	OJ991208_10.0107.C6.o2.tw	Method	TBLASTX:Wheat
Start	1459	End	1935
GI	none	Score	101
Exons	1459..1530, 1460..1534, 1461..1532, 1549..1935, 1550..1897		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66554	Strand	-
Start	5913	End	6144
Name	OJ991208_10.0107.C6.o3.ts	Method	TBLASTX:Soybean
Start	1466	End	1807
GI	none	Score	83
Exons	1466..1579, 1492..1566, 1598..1807, 1603..1728		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66554	Strand	-
Start	5913	End	6144
Name	OJ991208_10.0107.C6.o3.tm	Method	TBLASTX:Maize
Start	4219	End	4473
GI	none	Score	203
Exons	4219..4473, 4239..4469		

Seq. No.	32160	Seq. ID	OJ991208_10.0107.C6
Gene No.	66554	Strand	-
Start	5913	End	6144
Name	OJ991208_10.0107.C6.o3.gs	Method	GENSCAN
Start	5913	End	6144
GI	none	Score	.51
Exons	5913..6042, 6047..6144		

Seq. No.	32161	Seq. ID	OJ991208_10.0107.C7
Gene No.	66555	Strand	+
Start	613	End	2587
Name	OJ991208_10.0107.C7.o1.gs	Method	GENSCAN
Start	613	End	2587
GI	none	Score	.57
Exons	613..1374, 1463..1615, 2315..2587		

Seq. No.	32161	Seq. ID	OJ991208_10.0107.C7
Gene No.	66556	Strand	+
Start	3316	End	3576
Name	OJ991208_10.0107.C7.o2.gs	Method	GENSCAN
Start	3316	End	3576
GI	none	Score	1
Exons	3316..3406, 3446..3576		

Seq. No.	32161	Seq. ID	OJ991208_10.0107.C7
Gene No.	66557	Strand	-
Start	4388	End	10336
Name	OJ991208_10.0107.C7.o2.tm	Method	TBLASTX:Maize
Start	1147	End	1374
GI	none	Score	212
Exons	1147..1323, 1149..1322, 1318..1374, 1324..1374		

Seq. No.	32161	Seq. ID	OJ991208_10.0107.C7
Gene No.	66557	Strand	-
Start	4388	End	10336
Name	OJ991208_10.0107.C7.o1.gp	Method	AAT/GAP
Start	4199	End	6072
GI	12969_1.R1084	Score	2461
Exons	4199..4902, 5376..5448, 5572..6072		
GI Descrip.	'3935141 1.0e-57 (AC005106) T25N20.5 [Arabidopsis thaliana]'		

Seq. No.	32161	Seq. ID	OJ991208_10.0107.C7
Gene No.	66557	Strand	-
Start	4388	End	10336
Name	OJ991208_10.0107.C7.o3.gs	Method	GENSCAN
Start	4388	End	6554
GI	none	Score	.71
Exons	4388..4902, 5376..5489, 5572..5623, 5638..5982, 6477..6554		

Seq. No.	32161	Seq. ID	OJ991208_10.0107.C7
Gene No.	66557	Strand	-
Start	4388	End	10336
Name	OJ991208_10.0107.C7.o3.np	Method	AAT/NAP
Start	4397	End	8852
GI	3935141	Score	731
Exons	4397..4830, 5550..6107, 8019..8206, 8597..8852		
GI Descrip.	(AC005106) T25N20.5 [Arabidopsis thaliana]		

Seq. No.	32161	Seq. ID	OJ991208_10.0107.C7
Gene No.	66557	Strand	-
Start	4388	End	10336
Name	OJ991208_10.0107.C7.o1.tm	Method	TBLASTX:Maize
Start	4673	End	5971
GI	none	Score	112
Exons	4673..4810, 4674..4817, 4824..4904, 4824..4904, 5374..5451, 5375..5449, 5552..5761, 5569..5757, 5572..5766, 5573..5758, 5759..5809, 5810..5884, 5818..5868, 5820..5960, 5831..5971		

Seq. No.	32161	Seq. ID	OJ991208_10.0107.C7
Gene No.	66557	Strand	-
Start	4388	End	10336
Name	OJ991208_10.0107.C7.o1.tw	Method	TBLASTX:Wheat
Start	5986	End	8760
GI	none	Score	105
Exons	5986..6066, 5987..6067, 8032..8214, 8033..8215, 8033..8236, 8594..8728, 8596..8727, 8606..8728, 8607..8738, 8716..8760		

Seq. No.	32161	Seq. ID	OJ991208_10.0107.C7
Gene No.	66557	Strand	-
Start	4388	End	10336
Name	OJ991208_10.0107.C7.o4.gs	Method	GENSCAN
Start	7869	End	10336
GI	none	Score	.84
Exons	7869..7998, 8597..8693, 8712..8805, 9556..9852, 9935..10336		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66558	Strand	+
Start	3103	End	7731
Name	OJ991208_10.0107.C8.o1.gp	Method	AAT/GAP
Start	3103	End	6837
GI	1086_1.R1084	Score	2461
Exons	3103..3272, 3465..3524, 3626..3665, 4253..4431, 5089..5127, 5203..5289, 5410..5470, 5931..6055, 6149..6240, 6330..6837		
GI Descrip.	'2245101/emb|CAB10523.1| 2.0e-40 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66558	Strand	+
Start	3103	End	7731
Name	OJ991208_10.0107.C8.o1.gs	Method	GENSCAN
Start	3225	End	6447
GI	none	Score	.75
Exons	3225..3272, 3465..3524, 4253..4318, 5089..5127, 5203..5289, 5410..5470, 5931..6055, 6149..6240, 6327..6447		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8

Gene No.	66558	Strand	+
Start	3103	End	7731
Name	OJ991208_10.0107.C8.o1.np	Method	AAT/NAP
Start	3225	End	7731
GI	2245101	Score	361
Exons	3225..3272, 3465..3524, 3626..3665, 4253..4431, 5203..5289, 5434..5536, 5908..6067, 7689..7731		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66559	Strand	+
Start	9506	End	9670
Name	OJ991208_10.0107.C8.o3.gs	Method	GENSCAN
Start	9506	End	9670
GI	none	Score	.57
Exons	9506..9670		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66560	Strand	-
Start	7495	End	8405
Name	OJ991208_10.0107.C8.o2.gs	Method	GENSCAN
Start	7495	End	8405
GI	none	Score	.92
Exons	7495..7668, 7768..7938, 7944..8405		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66560	Strand	-
Start	7495	End	8405
Name	OJ991208_10.0107.C8.o2.np	Method	AAT/NAP
Start	7507	End	8405
GI	126078	Score	620
Exons	7507..7668, 7768..8405		
GI Descrip.	LATE EMBRYOGENESIS ABUNDANT PROTEIN D-34 (LEA D-34) gi|81554|pir||S04046 embryonic abundant protein gD-34 - upland cotton gi|18501|emb|CAA31594| (X13206) D-34 Lea protein [Gossypium hirsutum] gi|167385 (M19389) storage protein [Gossypium hirsutum] gi|226556|prf||1601521F Lea D-34 gene [Saguinus oedipus]		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66561	Strand	-
Start	9863	End	10597
Name	OJ991208_10.0107.C8.o1.tm	Method	TBLASTX:Maize
Start	3149	End	6229
GI	none	Score	48
Exons	3149..3214, 3221..3271, 3222..3272, 3458..3526, 3459..3527, 3461..3526, 3620..3667, 3626..3667, 4251..4430, 4252..4440, 4252..4431, 5080..5127, 5093..5146, 5094..5132, 5196..5288, 5200..5292, 5202..5288, 5407..5469, 5412..5474, 5412..5468, 5906..6043, 5930..6034, 6148..6228, 6149..6229		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66561	Strand	-
Start	9863	End	10597
Name	OJ991208_10.0107.C8.o1.tw	Method	TBLASTX:Wheat
Start	3164	End	4440
GI	none	Score	165

Exons	3164..3271, 3165..3272, 3459..3527, 3461..3526, 3620..3667, 3625..3669, 3626..3667, 4251..4430, 4251..4430, 4252..4440, 4252..4431		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66561	Strand	-
Start	9863	End	10597
Name	OJ991208_10.0107.C8.o3.ts	Method	TBLASTX:Soybean
Start	3206	End	4464
GI	none	Score	100
Exons	3206..3268, 3219..3272, 3459..3527, 3626..3667, 4251..4430, 4252..4464		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66561	Strand	-
Start	9863	End	10597
Name	OJ991208_10.0107.C8.o3.tc	Method	TBLASTX:Cress
Start	3222	End	4425
GI	none	Score	93
Exons	3222..3272, 3459..3527, 3626..3667, 4251..4424, 4252..4425		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66561	Strand	-
Start	9863	End	10597
Name	OJ991208_10.0107.C8.o2.ts	Method	TBLASTX:Soybean
Start	5218	End	6447
GI	none	Score	68
Exons	5218..5289, 5224..5289, 5415..5468, 5416..5469, 6148..6270, 6149..6241, 6324..6443, 6328..6447		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66561	Strand	-
Start	9863	End	10597
Name	OJ991208_10.0107.C8.o2.tc	Method	TBLASTX:Cress
Start	5930	End	6447
GI	none	Score	89
Exons	5930..6022, 6148..6270, 6149..6241, 6324..6440, 6328..6447		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66561	Strand	-
Start	9863	End	10597
Name	OJ991208_10.0107.C8.o2.tm	Method	TBLASTX:Maize
Start	7508	End	7665
GI	none	Score	146
Exons	7508..7612, 7510..7665		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66561	Strand	-
Start	9863	End	10597
Name	OJ991208_10.0107.C8.o1.ts	Method	TBLASTX:Soybean
Start	7516	End	8405
GI	none	Score	90
Exons	7516..7641, 7519..7668, 7523..7612, 7732..7803, 7855..7941, 8061..8129, 8127..8378, 8173..8355, 8379..8405		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66561	Strand	-

Start	9863	End	10597
Name	OJ991208_10.0107.C8.o1.tc	Method	TBLASTX:Cress
Start	7519	End	8355
GI	none	Score	68
Exons	7519..7671, 7523..7603, 7771..7806, 7855..7941, 8013..8129, 8062..8106, 8124..8354, 8230..8355		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66561	Strand	-
Start	9863	End	10597
Name	OJ991208_10.0107.C8.o4.gs	Method	GENSCAN
Start	9863	End	10597
GI	none	Score	.51
Exons	9863..10108, 10196..10597		

Seq. No.	32162	Seq. ID	OJ991208_10.0107.C8
Gene No.	66561	Strand	-
Start	9863	End	10597
Name	OJ991208_10.0107.C8.o3.np	Method	AAT/NAP
Start	9938	End	10533
GI	100920	Score	161
Exons	9938..10106, 10200..10533		
GI Descrip.	rab28 protein - maize gi|22460|emb|CAA41854| (X59138) abscisic acid-inducible [Zea mays]		

Seq. No.	32163	Seq. ID	OJ991208_10.0107.C9
Gene No.	66562	Strand	+
Start	1	End	5093
Name	OJ991208_10.0107.C9.o1.np	Method	AAT/NAP
Start	1	End	5093
GI	3935138	Score	468
Exons	1..35, 3668..3800, 4092..5093		
GI Descrip.	(AC005106) T25N20.2 [Arabidopsis thaliana]		

Seq. No.	32163	Seq. ID	OJ991208_10.0107.C9
Gene No.	66562	Strand	+
Start	1	End	5093
Name	OJ991208_10.0107.C9.o1.gs	Method	GENSCAN
Start	1010	End	4392
GI	none	Score	.73
Exons	1010..1358, 2078..3571, 3877..4392		

Seq. No.	32163	Seq. ID	OJ991208_10.0107.C9
Gene No.	66562	Strand	+
Start	1	End	5093
Name	OJ991208_10.0107.C9.o1.tm	Method	TBLASTX:Maize
Start	4554	End	5093
GI	none	Score	543
Exons	4554..4994, 4567..4974, 4580..4987, 4665..4994, 4965..5093, 4983..5093		

Seq. No.	32163	Seq. ID	OJ991208_10.0107.C9
Gene No.	66562	Strand	+
Start	1	End	5093
Name	OJ991208_10.0107.C9.o1.ts	Method	TBLASTX:Soybean
Start	4590	End	5042
GI	none	Score	122

Exons	4590..4709, 4667..4747, 4772..4867, 4773..4907, 4922..5041, 4923..5042		
Seq. No.	32163	Seq. ID	OJ991208_10.0107.C9
Gene No.	66562	Strand	+
Start	1	End	5093
Name	OJ991208_10.0107.C9.o1.tc	Method	TBLASTX:Cress
Start	4743	End	5093
GI	none	Score	131
Exons	4743..4907, 4772..4867, 4923..5093, 4940..5080		
Seq. No.	32163	Seq. ID	OJ991208_10.0107.C9
Gene No.	66562	Strand	+
Start	1	End	5093
Name	OJ991208_10.0107.C9.o1.gp	Method	AAT/GAP
Start	4911	End	5093
GI	2310356	Score	362
Exons	4911..5093		
GI Descrip.	3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]		
Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66563	Strand	+
Start	87	End	1441
Name	OJ991208_10.0107.C10.o1.gp	Method	AAT/GAP
Start	87	End	1441
GI	2310356	Score	437
Exons	87..224, 388..476, 1403..1441		
GI Descrip.	3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]		
Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o7.tm	Method	TBLASTX:Maize
Start	86	End	517
GI	none	Score	191
Exons	86..232, 89..226, 163..228, 318..410, 371..412, 423..479, 425..517, 436..480		
Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o6.ts	Method	TBLASTX:Soybean
Start	89	End	4010
GI	none	Score	77
Exons	89..184, 1400..1642, 1400..1639, 1522..1641, 2809..2844, 2853..2894, 3257..3355, 3263..3355, 3265..3369, 3836..3994, 3849..4010		
Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o1.gs	Method	GENSCAN
Start	1397	End	18977
GI	none	Score	.83
Exons	1397..1641, 3259..3358, 3846..4059, 4144..4287, 6139..6930, 7662..7784, 8153..8253, 8781..8918, 9623..9671, 10269..10356, 10500..10557, 10982..11245, 11330..11467, 11791..11842,		

12052..12131, 12456..12515, 12611..12691, 12782..12844,
13778..13963, 14075..14203, 14423..14566, 14672..14817,
14929..15085, 15581..15730, 15836..15972, 16058..16204,
16327..16579, 16944..17045, 17117..17154, 17373..17499,
17580..17750, 17840..17971, 18102..18208, 18342..18402,
18497..18674, 18772..18977

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o5.tm	Method	TBLASTX:Maize
Start	1423	End	4049
GI	none	Score	342
Exons	1423..1641, 1424..1642, 2801..2845, 2803..2853, 2847..2891, 2853..2894, 3255..3356, 3257..3361, 3259..3357, 3836..3964, 3846..3962, 3936..4049, 3965..4021		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o2.gp	Method	AAT/GAP
Start	4191	End	5344
GI	27473_1.R1084	Score	1586
Exons	4191..4287, 4611..5344		
GI Descrip.	'3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]'		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o4.ts	Method	TBLASTX:Soybean
Start	5531	End	6468
GI	none	Score	72
Exons	5531..5605, 5532..5603, 6213..6341, 6354..6467, 6391..6468		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o3.gp	Method	AAT/GAP
Start	9574	End	13165
GI	879_1.R1084	Score	2477
Exons	9574..9686, 10130..10201, 10308..10417, 10500..10557, 10982..11245, 11330..11467, 11791..11842, 12052..12131, 12456..12515, 12611..12691, 12826..13165		
GI Descrip.	'4574139/gb|AAD23909.1|AF073697_1 1.0e-166 (AF073697) cysteine synthase [Oryza sativa]'		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o1.tw	Method	TBLASTX:Wheat
Start	10111	End	11203
GI	none	Score	165
Exons	10111..10203, 10305..10418, 10307..10417, 10369..10422, 10497..10556, 10497..10553, 10498..10557, 10981..11202, 10982..11203		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10

Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o1.tm	Method	TBLASTX:Maize
Start	10159	End	12921
GI	none	Score	37
Exons	10159..10200, 10160..10198, 10305..10418, 10306..10422, 10307..10417, 10497..10553, 10498..10554, 10498..10554, 10981..11244, 10981..11244, 10982..11248, 10982..11248, 11327..11485, 11335..11397, 11437..11484, 11785..11844, 12050..12094, 12051..12146, 12051..12122, 12455..12517, 12456..12518, 12610..12639, 12610..12693, 12665..12694, 12825..12914, 12826..12921		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o1.np	Method	AAT/NAP
Start	10160	End	12915
GI	4574139	Score	1351
Exons	10160..10201, 10308..10417, 10500..10557, 10982..11245, 11330..11467, 11791..11842, 12052..12131, 12456..12515, 12611..12691, 12826..12915		
GI Descrip.	(AF073697) cysteine synthase [Oryza sativa]		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o1.ts	Method	TBLASTX:Soybean
Start	10305	End	12920
GI	none	Score	166
Exons	10305..10418, 10307..10417, 10311..10418, 10497..10553, 10498..10557, 10981..11244, 10981..11244, 10982..11248, 11327..11485, 11327..11434, 11328..11459, 11434..11484, 11785..11844, 12050..12094, 12051..12146, 12456..12518, 12458..12517, 12595..12648, 12604..12690, 12665..12691, 12828..12920, 12829..12918		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o2.tc	Method	TBLASTX:Cress
Start	10305	End	12921
GI	none	Score	159
Exons	10305..10418, 10307..10417, 10321..10422, 10497..10556, 10498..10557, 10498..10557, 10977..11159, 10981..11241, 10982..11248, 11321..11416, 11327..11485, 11434..11484, 11776..11844, 11796..11843, 12051..12146, 12051..12131, 12455..12517, 12456..12518, 12610..12690, 12829..12921, 12834..12920		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o1.tc	Method	TBLASTX:Cress
Start	14087	End	18982
GI	none	Score	130
Exons	14087..14206, 14419..14562, 14423..14566, 14457..14573,		

14672..14818, 14677..14808, 14690..14830, 14926..15084,
14927..15085, 15183..15242, 15184..15240, 15321..15488,
15325..15486, 15335..15487, 15578..15730, 15580..15609,
15676..15732, 15826..15972, 15833..15970, 16052..16231,
16059..16205, 16320..16433, 16325..16432, 16328..16453,
16508..16579, 16519..16575, 16902..17045, 16941..17036,
17114..17152, 17373..17501, 17373..17504, 17374..17505,
17579..17704, 17580..17714, 17684..17749, 17691..17750,
17839..17970, 17858..17971, 18101..18211, 18102..18203,
18336..18401, 18340..18405, 18493..18675, 18494..18676,
18776..18982, 18777..18977

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o2.ts	Method	TBLASTX:Soybean
Start	14477	End	15468
GI	none	Score	91
Exons	14477..14566, 14672..14722, 14924..15070, 14929..15054, 15179..15214, 15184..15240, 15294..15419, 15325..15468		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o2.np	Method	AAT/NAP
Start	14489	End	19030
GI	4887746	Score	2920
Exons	14489..14566, 14672..14817, 14929..15085, 15184..15242, 15327..15486, 15581..15730, 15836..15972, 16058..16204, 16327..16428, 16522..16579, 16944..17045, 17117..17154, 17373..17499, 17580..17750, 17840..17971, 18102..18208, 18342..18402, 18497..18674, 18772..19030		
GI Descrip.	(AC006533) putative unconventional myosin [Arabidopsis thaliana]		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o6.tm	Method	TBLASTX:Maize
Start	14672	End	15483
GI	none	Score	49
Exons	14672..14719, 14780..14809, 14923..15054, 14933..15055, 15163..15240, 15325..15483		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o3.tm	Method	TBLASTX:Maize
Start	15857	End	16354
GI	none	Score	177
Exons	15857..15973, 15859..15978, 15863..15982, 15876..15977, 16055..16231, 16059..16205, 16060..16206, 16328..16354		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o2.tm	Method	TBLASTX:Maize
Start	17373	End	17941

GI	none	Score	61
Exons	17373..17498, 17373..17501, 17374..17502, 17560..17643, 17577..17750, 17579..17749, 17586..17750, 17702..17758, 17838..17939, 17839..17940, 17858..17941		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o3.ts	Method	TBLASTX:Soybean
Start	17410	End	17725
GI	none	Score	143
Exons	17410..17505, 17412..17504, 17580..17621, 17600..17725, 17622..17723		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o5.ts	Method	TBLASTX:Soybean
Start	17838	End	18212
GI	none	Score	74
Exons	17838..17960, 17842..17979, 17858..17971, 18062..18178, 18075..18212		

Seq. No.	32164	Seq. ID	OJ991208_10.0107.C10
Gene No.	66564	Strand	+
Start	1397	End	19030
Name	OJ991208_10.0107.C10.o4.tm	Method	TBLASTX:Maize
Start	18104	End	18980
GI	none	Score	133
Exons	18104..18205, 18105..18206, 18340..18405, 18340..18402, 18489..18566, 18491..18634, 18494..18676, 18496..18693, 18776..18976, 18777..18977, 18828..18980		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66565	Strand	+
Start	1	End	10758
Name	OJ991208_10.0107.C11.o1.np	Method	AAT/NAP
Start	1	End	2998
GI	4887746	Score	940
Exons	1..271, 505..567, 696..865, 966..1125, 1307..1509, 1587..1732, 1805..1875, 2018..2117, 2206..2262, 2339..2395, 2478..2558, 2689..2771, 2874..2998		
GI Descrip.	(AC006533) putative unconventional myosin [Arabidopsis thaliana]		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66565	Strand	+
Start	1	End	10758
Name	OJ991208_10.0107.C11.o1.gs	Method	GENSCAN
Start	120	End	10758
GI	none	Score	.66
Exons	120..234, 502..567, 696..865, 966..1062, 1303..1509, 1805..1875, 2018..2117, 2339..2395, 2478..2558, 2689..2771, 3707..3901, 4047..4190, 5014..5089, 7533..7655, 7763..7922, 8005..8072, 8298..8843, 9095..9682, 9762..10047, 10283..10507, 10562..10758		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66565	Strand	+

Start	1	End	10758
Name	OJ991208_10.0107.C11.o1.gp	Method	AAT/GAP
Start	7079	End	8045
GI	none	Score	1020
Exons	7079..7351, 7582..7655, 7763..7922, 8005..8045		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66565	Strand	+
Start	1	End	10758
Name	OJ991208_10.0107.C11.o2.np	Method	AAT/NAP
Start	7554	End	10491
GI	4204265	Score	1008
Exons	7554..7681, 7798..7968, 8321..8601, 8656..8876, 9110..9682, 9762..9974, 10327..10491		
GI Descrip.	(AC005223) 45643 [Arabidopsis thaliana]		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66565	Strand	+
Start	1	End	10758
Name	OJ991208_10.0107.C11.o2.gp	Method	AAT/GAP
Start	8791	End	9629
GI	12993_1.R1084	Score	1148
Exons	8791..8843, 9095..9629		
GI Descrip.	'4204265 5.0e-42 (AC005223) 45643 [Arabidopsis thaliana]'		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66566	Strand	-
Start	10391	End	11204
Name	OJ991208_10.0107.C11.o2.tc	Method	TBLASTX:Cress
Start	699	End	2940
GI	none	Score	103
Exons	699..818, 809..865, 1383..1478, 1384..1509, 1655..1750, 1805..1900, 2015..2113, 2016..2114, 2187..2264, 2188..2265, 2338..2385, 2339..2398, 2469..2561, 2686..2769, 2860..2940		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66566	Strand	-
Start	10391	End	11204
Name	OJ991208_10.0107.C11.o2.tm	Method	TBLASTX:Maizé
Start	1022	End	2727
GI	none	Score	95
Exons	1022..1120, 1024..1122, 1030..1119, 1317..1511, 1317..1535, 1318..1536, 1582..1650, 1583..1651, 1584..1655, 1654..1716, 1655..1750, 1655..1750, 1802..1873, 1804..1875, 1805..1912, 2008..2115, 2015..2116, 2016..2117, 2019..2117, 2203..2265, 2204..2263, 2205..2264, 2327..2398, 2329..2397, 2470..2559, 2470..2559, 2477..2569, 2478..2561, 2686..2727, 2688..2726		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66566	Strand	-
Start	10391	End	11204
Name	OJ991208_10.0107.C11.o2.ts	Method	TBLASTX:Soybean
Start	1402	End	2982
GI	none	Score	148
Exons	1402..1509, 1404..1508, 1655..1732, 1808..1912, 2015..2116, 2016..2117, 2190..2264, 2203..2265, 2324..2413, 2339..2398, 2468..2563, 2469..2561, 2689..2769, 2860..2982		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66566	Strand	-
Start	10391	End	11204
Name	OJ991208_10.0107.C11.o1.tm	Method	TBLASTX:Maize
Start	7569	End	9995
GI	none	Score	54
Exons	7569..7676, 7780..7923, 7781..7924, 7823..7930, 8000..8071, 8004..8072, 8004..8072, 8005..8073, 8175..8201, 8175..8201, 8320..8475, 8321..8671, 8322..8693, 8515..8706, 8652..8843, 8671..8844, 8673..8843, 8771..8845, 9094..9453, 9095..9463, 9452..9688, 9455..9685, 9457..9690, 9457..9693, 9761..9976, 9762..9995		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66566	Strand	-
Start	10391	End	11204
Name	OJ991208_10.0107.C11.o1.ts	Method	TBLASTX:Soybean
Start	8691	End	10460
GI	none	Score	77
Exons	8691..8831, 9170..9193, 9187..9264, 9188..9265, 9189..9284, 9254..9337, 9274..9321, 9284..9457, 9303..9359, 9310..9402, 9435..9662, 9448..9693, 9449..9688, 9499..9696, 9761..9976, 9762..9977, 9835..9990, 10324..10458, 10356..10460		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66566	Strand	-
Start	10391	End	11204
Name	OJ991208_10.0107.C11.o1.tc	Method	TBLASTX:Cress
Start	9187	End	10455
GI	none	Score	86
Exons	9187..9261, 9188..9265, 9296..9391, 9319..9354, 9334..9390, 9452..9682, 9462..9647, 9467..9688, 9469..9693, 9743..9976, 9761..9976, 9762..9995, 10324..10455, 10324..10404, 10338..10454		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66566	Strand	-
Start	10391	End	11204
Name	OJ991208_10.0107.C11.o1.tw	Method	TBLASTX:Wheat
Start	9758	End	10474
GI	none	Score	242
Exons	9758..9970, 9761..9973, 9762..9980, 9762..9974, 10324..10404, 10327..10473, 10331..10474, 10338..10457		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66566	Strand	-
Start	10391	End	11204
Name	OJ991208_10.0107.C11.o3.tm	Method	TBLASTX:Maize
Start	10324	End	10474
GI	none	Score	209
Exons	10324..10473, 10324..10404, 10325..10474, 10338..10472		

Seq. No.	32165	Seq. ID	OJ991208_10.0107.C11
Gene No.	66566	Strand	-
Start	10391	End	11204
Name	OJ991208_10.0107.C11.o3.gp	Method	AAT/GAP
Start	10391	End	11204

GI	64_1.R1084	Score	1060
Exons	10391..10471, 10595..11078, 11130..11204		
GI Descrip.	'4126687/dbj|BAA36695| 0.0e+00 (AB016501) glutelin [Oryza sativa]'		

Seq. No.	32166	Seq. ID	OJ991208_10.0107.C12
Gene No.	66567	Strand	+
Start	730	End	876
Name	OJ991208_10.0107.C12.o1.gs	Method	GENSCAN
Start	730	End	876
GI	none	Score	.57
Exons	730..876		

Seq. No.	32166	Seq. ID	OJ991208_10.0107.C12
Gene No.	66568	Strand	+
Start	3784	End	4105
Name	OJ991208_10.0107.C12.o2.gs	Method	GENSCAN
Start	3784	End	4105
GI	none	Score	.97
Exons	3784..3937, 4038..4105		

Seq. No.	32166	Seq. ID	OJ991208_10.0107.C12
Gene No.	66569	Strand	+
Start	4783	End	5613
Name	OJ991208_10.0107.C12.o3.gs	Method	GENSCAN
Start	4783	End	5613
GI	none	Score	.55
Exons	4783..5613		

Seq. No.	32166	Seq. ID	OJ991208_10.0107.C12
Gene No.	66569	Strand	+
Start	4783	End	5613
Name	OJ991208_10.0107.C12.o1.np	Method	AAT/NAP
Start	4798	End	5610
GI	6223643	Score	692
Exons	4798..5610		
GI Descrip.	(AC011698) putative short-chain type dehydrogenase/reductase [Arabidopsis thaliana]		

Seq. No.	32166	Seq. ID	OJ991208_10.0107.C12
Gene No.	66570	Strand	+
Start	8049	End	8678
Name	OJ991208_10.0107.C12.o1.tc	Method	TBLASTX:Cress
Start	4900	End	5537
GI	none	Score	72
Exons	4900..4986, 5029..5529, 5100..5537		

Seq. No.	32166	Seq. ID	OJ991208_10.0107.C12
Gene No.	66570	Strand	+
Start	8049	End	8678
Name	OJ991208_10.0107.C12.o1.ts	Method	TBLASTX:Soybean
Start	4900	End	5430
GI	none	Score	70
Exons	4900..4989, 5023..5430, 5112..5231, 5200..5256, 5362..5430		

Seq. No.	32166	Seq. ID	OJ991208_10.0107.C12
Gene No.	66570	Strand	+

Start	8049	End	8678
Name	OJ991208_10.0107.C12.o1.tm	Method	TBLASTX:Maize
Start	5134	End	5616
GI	none	Score	615
Exons	5134..5616, 5205..5615		

Seq. No.	32166	Seq. ID	OJ991208_10.0107.C12
Gene No.	66570	Strand	+
Start	8049	End	8678
Name	OJ991208_10.0107.C12.o2.ts	Method	TBLASTX:Soybean
Start	5430	End	5613
GI	none	Score	183
Exons	5430..5612, 5437..5613		

Seq. No.	32166	Seq. ID	OJ991208_10.0107.C12
Gene No.	66570	Strand	+
Start	8049	End	8678
Name	OJ991208_10.0107.C12.o2.tm	Method	TBLASTX:Maize
Start	8042	End	8678
GI	none	Score	81
Exons	8042..8101, 8043..8093, 8049..8111, 8183..8260, 8192..8263, 8495..8596, 8502..8594, 8585..8677, 8586..8678		

Seq. No.	32166	Seq. ID	OJ991208_10.0107.C12
Gene No.	66570	Strand	+
Start	8049	End	8678
Name	OJ991208_10.0107.C12.o4.gs	Method	GENSCAN
Start	8049	End	8299
GI	none	Score	.75
Exons	8049..8094, 8190..8299		

Seq. No.	32167	Seq. ID	OJ991208_10.0107.C14
Gene No.	66571	Strand	+
Start	46	End	243
Name	OJ991208_10.0107.C14.o1.gs	Method	GENSCAN
Start	46	End	243
GI	none	Score	.71
Exons	46..243		

Seq. No.	32168	Seq. ID	OJ991028_12.0119.C1
Gene No.	66572	Strand	+
Start	1182	End	5347
Name	OJ991028_12.0119.C1.o1.np	Method	AAT/NAP
Start	1182	End	5347
GI	2146742	Score	212
Exons	1182..1321, 4735..5347		
GI Descrip.	pattern-formation protein GNOM - Arabidopsis thaliana gi|1209631 (U36432) GNOM gene product [Arabidopsis thaliana]		

Seq. No.	32168	Seq. ID	OJ991028_12.0119.C1
Gene No.	66573	Strand	+
Start	6771	End	7909
Name	OJ991028_12.0119.C1.o3.gs	Method	GENSCAN
Start	6771	End	7909
GI	none	Score	.89
Exons	6771..7394, 7424..7909		

Seq. No.	32168	Seq. ID	OJ991028_12.0119.C1
Gene No.	66574	Strand	+
Start	8288	End	8430
Name	OJ991028_12.0119.C1.o2.gp	Method	AAT/GAP
Start	8288	End	8430
GI	21474_1.R1084	Score	237
Exons	8288..8430		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32168	Seq. ID	OJ991028_12.0119.C1
Gene No.	66575	Strand	-
Start	318	End	393
Name	OJ991028_12.0119.C1.o1.gp	Method	AAT/GAP
Start	318	End	393
GI	LIB3477-005-P1-K1-E9	Score	122
Exons	318..393		
GI Descrip.	'2500067/sp|P55745|RB21_CANFA 5.0e-40 RAS-RELATED PROTEIN RAB-21'		

Seq. No.	32168	Seq. ID	OJ991028_12.0119.C1
Gene No.	66576	Strand	-
Start	8801	End	9164
Name	OJ991028_12.0119.C1.o4.gs	Method	GENSCAN
Start	8801	End	9164
GI	none	Score	.99
Exons	8801..8986, 9066..9164		

Seq. No.	32169	Seq. ID	OJ991028_12.0119.C2
Gene No.	66577	Strand	-
Start	1	End	1226
Name	OJ991028_12.0119.C2.o1.gp	Method	AAT/GAP
Start	1	End	1226
GI	342_1.R1084	Score	2209
Exons	1..1226		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	32169	Seq. ID	OJ991028_12.0119.C2
Gene No.	66577	Strand	-
Start	1	End	1226
Name	OJ991028_12.0119.C2.o1.tw	Method	TBLASTX:Wheat
Start	2	End	950
GI	none	Score	47
Exons	2..37, 3..41, 32..949, 48..950		

Seq. No.	32169	Seq. ID	OJ991028_12.0119.C2
Gene No.	66577	Strand	-
Start	1	End	1226
Name	OJ991028_12.0119.C2.o1.np	Method	AAT/NAP
Start	117	End	1226
GI	6742729	Score	1739
Exons	117..1226		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	32169	Seq. ID	OJ991028_12.0119.C2
Gene No.	66577	Strand	-

Start	1	End	1226
Name	OJ991028_12.0119.C2.o1.tc	Method	TBLASTX:Cress
Start	215	End	666
GI	none	Score	83
Exons	215..364, 215..658, 219..662, 225..662, 484..666		

Seq. No.	32169	Seq. ID	OJ991028_12.0119.C2
Gene No.	66577	Strand	-
Start	1	End	1226
Name	OJ991028_12.0119.C2.o1.tm	Method	TBLASTX:Maize
Start	593	End	907
GI	none	Score	65
Exons	593..823, 593..907, 621..896		

Seq. No.	32169	Seq. ID	OJ991028_12.0119.C2
Gene No.	66577	Strand	-
Start	1	End	1226
Name	OJ991028_12.0119.C2.o2.tw	Method	TBLASTX:Wheat
Start	965	End	1225
GI	none	Score	73
Exons	965..1048, 966..1040, 974..1051, 1066..1206, 1066..1224, 1106..1225		

Seq. No.	32170	Seq. ID	OJ991028_12.0119.C3
Gene No.	66578	Strand	+
Start	1	End	6999
Name	OJ991028_12.0119.C3.o1.np	Method	AAT/NAP
Start	1	End	1901
GI	5732031	Score	216
Exons	1..82, 153..606, 1832..1901		
GI Descrip.	(AF147260) No definition line found [Arabidopsis thaliana]		

Seq. No.	32170	Seq. ID	OJ991028_12.0119.C3
Gene No.	66578	Strand	+
Start	1	End	6999
Name	OJ991028_12.0119.C3.o1.gs	Method	GENSCAN
Start	145	End	6999
GI	none	Score	57
Exons	145..236, 265..622, 984..1162, 2545..2606, 2777..2797, 3075..3287, 3369..3512, 3756..3913, 3994..4089, 4182..4268, 4354..4689, 4783..4884, 4964..5044, 5293..5394, 5473..5553, 5824..5928, 6008..6088, 6510..6758, 6979..6999		

Seq. No.	32171	Seq. ID	OJ991028_12.0119.C4
Gene No.	66579	Strand	+
Start	393	End	614
Name	OJ991028_12.0119.C4.o1.gs	Method	GENSCAN
Start	393	End	614
GI	none	Score	.44
Exons	393..614		

Seq. No.	32172	Seq. ID	OJ991028_12.0119.C5
Gene No.	66580	Strand	-
Start	1	End	2148
Name	OJ991028_12.0119.C5.o1.np	Method	AAT/NAP
Start	1	End	2148
GI	3063699	Score	111

Exons	1..27, 1665..2148		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66581	Strand	+
Start	2847	End	6666
Name	OJ991028_12.0119.C6.o1.np	Method	AAT/NAP
Start	2847	End	6666
GI	6539553	Score	6209
Exons	2847..6666		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66582	Strand	+
Start	16262	End	16679
Name	OJ991028_12.0119.C6.o2.gp	Method	AAT/GAP
Start	16262	End	16679
GI	LIB3431-028-P1-N1-A10	Score	836
Exons	16262..16679		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66583	Strand	+
Start	17460	End	36374
Name	OJ991028_12.0119.C6.o6.np	Method	AAT/NAP
Start	17460	End	33972
GI	4584355	Score	224
Exons	17460..17497, 33725..33972		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66583	Strand	+
Start	17460	End	36374
Name	OJ991028_12.0119.C6.o4.gs	Method	GENSCAN
Start	20172	End	22762
GI	none	Score	.46
Exons	20172..20269, 22600..22762		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66583	Strand	+
Start	17460	End	36374
Name	OJ991028_12.0119.C6.o4.np	Method	AAT/NAP
Start	22467	End	26128
GI	6016696	Score	310
Exons	22467..22508, 23794..24333, 26101..26128		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66583	Strand	+
Start	17460	End	36374
Name	OJ991028_12.0119.C6.o5.gs	Method	GENSCAN
Start	23636	End	25201
GI	none	Score	.97

Exons	23636..25201		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66583	Strand	+
Start	17460	End	36374
Name	OJ991028_12.0119.C6.o7.gs	Method	GENSCAN
Start	32073	End	36374
GI	none	Score	.46
Exons	32073..32200, 36149..36374		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66584	Strand	+
Start	37525	End	38904
Name	OJ991028_12.0119.C6.o8.np	Method	AAT/NAP
Start	37525	End	38904
GI	4680204	Score	98
Exons	37525..37741, 38867..38904		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66585	Strand	-
Start	9478	End	9618
Name	OJ991028_12.0119.C6.o1.gp	Method	AAT/GAP
Start	9478	End	9618
GI	21474_1.R1084	Score	247
Exons	9478..9618		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66586	Strand	-
Start	9923	End	13635
Name	OJ991028_12.0119.C6.o2.gs	Method	GENSCAN
Start	9923	End	13620
GI	none	Score	.61
Exons	9923..10108, 10188..10286, 10381..10453, 10538..10648, 10745..10918, 11028..11713, 11715..11857, 11983..12124, 12199..12318, 12364..12529, 12659..13620		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66586	Strand	-
Start	9923	End	13635
Name	OJ991028_12.0119.C6.o2.np	Method	AAT/NAP
Start	9941	End	13635
GI	4680204	Score	1065
Exons	9941..10078, 10429..10648, 10745..10918, 11028..12124, 12199..13635		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66587	Strand	-
Start	14502	End	18811
Name	OJ991028_12.0119.C6.o3.gs	Method	GENSCAN
Start	14502	End	18811
GI	none	Score	.55
Exons	14502..15218, 16349..16723, 16776..17696, 17999..18811		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66587	Strand	-
Start	14502	End	18811
Name	OJ991028_12.0119.C6.o3.np	Method	AAT/NAP
Start	15322	End	18811
GI	4680203	Score	2207
Exons	15322..15388, 16820..16985, 17139..18811		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66588	Strand	-
Start	25778	End	29389
Name	OJ991028_12.0119.C6.o6.gs	Method	GENSCAN
Start	25778	End	29389
GI	none	Score	.86
Exons	25778..26340, 29224..29389		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66588	Strand	-
Start	25778	End	29389
Name	OJ991028_12.0119.C6.o5.np	Method	AAT/NAP
Start	25781	End	26249
GI	6016696	Score	262
Exons	25781..26249		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o7.tw	Method	TBLASTX:Wheat
Start	2790	End	3137
GI	none	Score	51
Exons	2790..2831, 2794..2832, 2837..3022, 2838..3002, 2991..3137, 3003..3131, 3005..3133		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o2.tm	Method	TBLASTX:Maize
Start	2976	End	3289
GI	none	Score	341
Exons	2976..3284, 2986..3285, 2994..3284, 2999..3289		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o7.tm	Method	TBLASTX:Maize
Start	3651	End	4109
GI	none	Score	44
Exons	3651..3692, 3653..3691, 3783..3845, 3802..3849, 3851..4024, 3852..4052, 3852..4031, 4046..4090, 4047..4109		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o10.tw	Method	TBLASTX:Wheat
Start	4301	End	4495

GI	none	Score	289
Exons	4301..4495, 4304..4495		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o6.tm	Method	TBLASTX:Maize
Start	4352	End	4846
GI	none	Score	216
Exons	4352..4660, 4435..4626, 4679..4846		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o4.ts	Method	TBLASTX:Soybean
Start	4448	End	4846
GI	none	Score	193
Exons	4448..4672, 4456..4626, 4463..4657, 4673..4846, 4681..4821		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o4.tc	Method	TBLASTX:Cress
Start	4481	End	4870
GI	none	Score	116
Exons	4481..4663, 4676..4870		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o1.tw	Method	TBLASTX:Wheat
Start	4496	End	5251
GI	none	Score	618
Exons	4496..4945, 4504..5025, 4506..4976, 5003..5251, 5004..5234, 5012..5251		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o1.ts	Method	TBLASTX:Soybean
Start	5171	End	5634
GI	5509260	Score	95
Exons	5171..5314, 5319..5489, 5332..5634, 5562..5615		
GI Descrip.	-		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o2.tc	Method	TBLASTX:Cress
Start	5264	End	5523
GI	none	Score	69
Exons	5264..5317, 5322..5435, 5332..5523		

Seq. No.	32173	Seq. ID	OJ991028 12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o4.tm	Method	TBLASTX:Maize

Start	5319	End	5769
GI	none	Score	321
Exons	5319..5489, 5332..5769, 5440..5622, 5559..5654		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o5.tw	Method	TBLASTX:Wheat
Start	5322	End	5859
GI	none	Score	282
Exons	5322..5345, 5332..5649, 5452..5625, 5644..5859, 5718..5822		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o2.ts	Method	TBLASTX:Soybean
Start	5703	End	6048
GI	none	Score	303
Exons	5703..5903, 5704..6048		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o5.tm	Method	TBLASTX:Maize
Start	5859	End	6198
GI	none	Score	314
Exons	5859..6197, 5860..6198		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o2.tw	Method	TBLASTX:Wheat
Start	6054	End	6530
GI	none	Score	98
Exons	6054..6125, 6055..6129, 6144..6530, 6145..6528		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o5.ts	Method	TBLASTX:Soybean
Start	6061	End	6402
GI	none	Score	90
Exons	6061..6174, 6087..6164, 6193..6402, 6193..6381		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o12.tw	Method	TBLASTX:Wheat
Start	10579	End	11101
GI	none	Score	68
Exons	10579..10650, 10750..10932, 10757..10882, 11021..11101		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o9.tw	Method	TBLASTX:Wheat
Start	12589	End	12992

GI	none	Score	84
Exons	12589..12759, 12722..12889, 12754..12990, 12841..12990, 12852..12992, 12882..12992		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o8.tw	Method	TBLASTX:Wheat
Start	16373	End	16777
GI	none	Score	52
Exons	16373..16465, 16374..16439, 16454..16534, 16471..16542, 16547..16687, 16548..16688, 16635..16730, 16667..16726, 16733..16777, 16738..16773		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o4.tw	Method	TBLASTX:Wheat
Start	16834	End	17283
GI	none	Score	113
Exons	16834..16959, 16836..16964, 16836..16958, 16992..17210, 17032..17214, 17220..17282, 17233..17283		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o6.ts	Method	TBLASTX:Soybean
Start	17316	End	17558
GI	none	Score	216
Exons	17316..17558		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o3.tm	Method	TBLASTX:Maize
Start	17388	End	17845
GI	none	Score	57
Exons	17388..17582, 17592..17711, 17592..17717, 17711..17833, 17717..17845		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o3.tw	Method	TBLASTX:Wheat
Start	17422	End	17890
GI	none	Score	173
Exons	17422..17628, 17422..17631, 17427..17651, 17631..17711, 17631..17717, 17632..17718, 17732..17836, 17736..17825, 17837..17890, 17838..17882		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o1.tc	Method	TBLASTX:Cress
Start	17711	End	18026
GI	none	Score	74
Exons	17711..18019, 17739..17834, 17874..18026		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o3.ts	Method	TBLASTX:Soybean
Start	17759	End	18188
GI	none	Score	121
Exons	17759..18055, 17777..18001, 18105..18188, 18113..18187		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o6.tw	Method	TBLASTX:Wheat
Start	18109	End	18460
GI	none	Score	187
Exons	18109..18360, 18119..18370, 18120..18362, 18353..18460		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o1.tm	Method	TBLASTX:Maize
Start	23950	End	24367
GI	none	Score	233
Exons	23950..24090, 23951..24091, 23972..24118, 23977..24105, 24143..24244, 24164..24367, 24178..24366		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o11.tw	Method	TBLASTX:Wheat
Start	24452	End	24649
GI	none	Score	201
Exons	24452..24649, 24502..24639		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o3.tc	Method	TBLASTX:Cress
Start	24452	End	24622
GI	none	Score	189
Exons	24452..24622, 24502..24621		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o7.ts	Method	TBLASTX:Soybean
Start	25772	End	37628
GI	none	Score	64
Exons	25772..25843, 25910..25945, 25985..26128, 26114..26224, 26115..26168, 37149..37184, 37252..37383, 37257..37382, 37464..37628		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o8.tm	Method	TBLASTX:Maize
Start	25778	End	37550

GI	none	Score	70
Exons	25778..25843, 25919..26071, 26120..26224, 26127..26171, 37154..37231, 37308..37355, 37362..37385, 37489..37548, 37497..37550		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o8.gs	Method	GENSCAN
Start	37155	End	37766
GI	none	Score	.88
Exons	37155..37766		

Seq. No.	32173	Seq. ID	OJ991028_12.0119.C6
Gene No.	66589	Strand	-
Start	37155	End	37766
Name	OJ991028_12.0119.C6.o7.np	Method	AAT/NAP
Start	37158	End	37514
GI	139780	Score	78
Exons	37158..37261, 37297..37514		
GI Descrip.	WOUND-INDUCED PROTEIN 1 gi|82293|pir||JQ0398 wun1 protein - potato		

Seq. No.	32174	Seq. ID	OJ991028_12.0119.C7
Gene No.	66590	Strand	+
Start	139	End	6571
Name	OJ991028_12.0119.C7.o1.np	Method	AAT/NAP
Start	139	End	1984
GI	6006359	Score	76
Exons	139..236, 1960..1984		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	32174	Seq. ID	OJ991028_12.0119.C7
Gene No.	66590	Strand	+
Start	139	End	6571
Name	OJ991028_12.0119.C7.o1.gs	Method	GENSCAN
Start	1306	End	6571
GI	none	Score	.58
Exons	1306..1382, 1415..1707, 1898..2473, 2570..3027, 3132..3342, 3929..4101, 4737..4881, 5078..5312, 5326..5517, 5663..5719, 6507..6571		

Seq. No.	32174	Seq. ID	OJ991028_12.0119.C7
Gene No.	66591	Strand	+
Start	13826	End	19417
Name	OJ991028_12.0119.C7.o3.np	Method	AAT/NAP
Start	13826	End	19140
GI	4680204	Score	102
Exons	13826..13946, 16614..16880, 19069..19140		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32174	Seq. ID	OJ991028_12.0119.C7
Gene No.	66591	Strand	+
Start	13826	End	19417
Name	OJ991028_12.0119.C7.o3.gs	Method	GENSCAN
Start	14451	End	19417
GI	none	Score	.69

Exons	14451..14508, 15287..15332, 16419..16497, 16882..16978, 18709..18805, 19085..19191, 19227..19417		
Seq. No.	32174	Seq. ID	OJ991028_12.0119.C7
Gene No.	66592	Strand	-
Start	8214	End	13597
Name	OJ991028_12.0119.C7.o1.tw	Method	TBLASTX:Wheat
Start	1203	End	1479
GI	none	Score	121
Exons	1203..1331, 1205..1297, 1331..1444, 1363..1443, 1456..1479		
Seq. No.	32174	Seq. ID	OJ991028_12.0119.C7
Gene No.	66592	Strand	-
Start	8214	End	13597
Name	OJ991028_12.0119.C7.o2.tw	Method	TBLASTX:Wheat
Start	1723	End	6500
GI	none	Score	71
Exons	1723..1830, 1913..2131, 6438..6500		
Seq. No.	32174	Seq. ID	OJ991028_12.0119.C7
Gene No.	66592	Strand	-
Start	8214	End	13597
Name	OJ991028_12.0119.C7.o2.gs	Method	GENSCAN
Start	8214	End	13597
GI	none	Score	.53
Exons	8214..8573, 8642..8826, 9728..9786, 10272..10366, 10588..10675, 13395..13597		
Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66593	Strand	+
Start	1	End	9140
Name	OJ991028_12.0119.C8.o1.np	Method	AAT/NAP
Start	1	End	8467
GI	4539386	Score	166
Exons	1..250, 6255..6671, 8449..8467		
GI Descrip.	(AL035526) extensin-like protein [Arabidopsis thaliana]		
Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66593	Strand	+
Start	1	End	9140
Name	OJ991028_12.0119.C8.o2.gs	Method	GENSCAN
Start	4635	End	9140
GI	none	Score	.61
Exons	4635..4805, 5175..5241, 5442..5589, 5845..5945, 6421..6624, 6629..6742, 9085..9140		
Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66594	Strand	+
Start	10071	End	12265
Name	OJ991028_12.0119.C8.o3.np	Method	AAT/NAP
Start	10061	End	12265
GI	5911167	Score	1241
Exons	10061..10291, 10445..11778, 11879..12265		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		
Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66594	Strand	+

Start	10071	End	12265
Name	OJ991028_12.0119.C8.o2.np	Method	AAT/NAP
Start	10071	End	10276
GI	4773903	Score	76
Exons	10071..10276		
GI Descrip.	(AF074021) putative transposon protein [Arabidopsis thaliana]		

Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66594	Strand	+
Start	10071	End	12265
Name	OJ991028_12.0119.C8.o3.gs	Method	GENSCAN
Start	10071	End	11722
GI	none	Score	.47
Exons	10071..11172, 11379..11722		

Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66595	Strand	-
Start	357	End	1997
Name	OJ991028_12.0119.C8.o1.gs	Method	GENSCAN
Start	357	End	1997
GI	none	Score	.45
Exons	357..529, 1957..1997		

Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66596	Strand	-
Start	1960	End	5613
Name	OJ991028_12.0119.C8.o1.gp	Method	AAT/GAP
Start	1960	End	5613
GI	16620_1.R1084	Score	879
Exons	1960..2055, 2158..2227, 5301..5613		
GI Descrip.	'3395427 5.0e-12 (AC004683) unknown protein [Arabidopsis thaliana]'		

Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66596	Strand	-
Start	1960	End	5613
Name	OJ991028_12.0119.C8.o2.tm	Method	TBLASTX:Maize
Start	2011	End	5469
GI	none	Score	51
Exons	2011..2058, 2156..2233, 2157..2231, 5299..5391, 5301..5468, 5302..5469		

Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66596	Strand	-
Start	1960	End	5613
Name	OJ991028_12.0119.C8.o2.tc	Method	TBLASTX:Cress
Start	5295	End	5450
GI	none	Score	129
Exons	5295..5450, 5296..5433		

Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66597	Strand	
Start	10605	End	10910
Name	OJ991028_12.0119.C8.o1.ts	Method	TBLASTX:Soybean
Start	10605	End	10910
GI	none	Score	267
Exons	10605..10910		

Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66598	Strand	
Start	10938	End	11572
Name	OJ991028_12.0119.C8.o2.ts	Method	TBLASTX:Soybean
Start	10938	End	11210
GI	none	Score	204
Exons	10938..11210		

Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66598	Strand	
Start	10938	End	11572
Name	OJ991028_12.0119.C8.o1.tc	Method	TBLASTX:Cress
Start	10949	End	11288
GI	none	Score	316
Exons	10949..11104, 10959..11288		

Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66598	Strand	
Start	10938	End	11572
Name	OJ991028_12.0119.C8.o1.tw	Method	TBLASTX:Wheat
Start	11064	End	11342
GI	none	Score	276
Exons	11064..11342, 11126..11269, 11297..11341		

Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66598	Strand	
Start	10938	End	11572
Name	OJ991028_12.0119.C8.o1.tm	Method	TBLASTX:Maize
Start	11132	End	11572
GI	none	Score	269
Exons	11132..11347, 11133..11354, 11348..11572, 11353..11571		

Seq. No.	32175	Seq. ID	OJ991028_12.0119.C8
Gene No.	66599	Strand	
Start	11879	End	12062
Name	OJ991028_12.0119.C8.o3.tm	Method	TBLASTX:Maize
Start	11879	End	12062
GI	none	Score	191
Exons	11879..12058, 11880..12062		

Seq. No.	32176	Seq. ID	OJ991018_13.0118.C1
Gene No.	66600	Strand	-
Start	1	End	484
Name	OJ991018_13.0118.C1.o1.np	Method	AAT/NAP
Start	1	End	484
GI	5091513	Score	663
Exons	1..484		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32176	Seq. ID	OJ991018_13.0118.C1
Gene No.	66600	Strand	-
Start	1	End	484
Name	OJ991018_13.0118.C1.o1.gs	Method	GENSCAN
Start	54	End	471
GI	none	Score	.71
Exons	54..471		

Seq. No.	32177	Seq. ID	OJ991018_13.0118.C2
Gene No.	66601	Strand	+
Start	1	End	546
Name	OJ991018_13.0118.C2.o1.np	Method	AAT/NAP
Start	1	End	546
GI	5091513	Score	809
Exons	1..546		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32177	Seq. ID	OJ991018_13.0118.C2
Gene No.	66601	Strand	+
Start	1	End	546
Name	OJ991018_13.0118.C2.o1.gs	Method	GENSCAN
Start	39	End	532
GI	none	Score	.92
Exons	39..532		

Seq. No.	32178	Seq. ID	OJ991018_13.0118.C3
Gene No.	66602	Strand	+
Start	1	End	768
Name	OJ991018_13.0118.C3.o1.np	Method	AAT/NAP
Start	1	End	768
GI	5669782	Score	672
Exons	1..768		
GI Descrip.	(AF108010) Hv1LRR2 [Hordeum vulgare]		

Seq. No.	32178	Seq. ID	OJ991018_13.0118.C3
Gene No.	66602	Strand	+
Start	1	End	768
Name	OJ991018_13.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	41	End	496
GI	none	Score	109
Exons	41..202, 124..201, 194..496, 212..496		

Seq. No.	32178	Seq. ID	OJ991018_13.0118.C3
Gene No.	66602	Strand	+
Start	1	End	768
Name	OJ991018_13.0118.C3.o1.tw	Method	TBLASTX:Wheat
Start	538	End	754
GI	none	Score	194
Exons	538..681, 578..754, 581..754		

Seq. No.	32179	Seq. ID	OJ991018_13.0118.C6
Gene No.	66603	Strand	-
Start	1	End	927
Name	OJ991018_13.0118.C6.o1.np	Method	AAT/NAP
Start	1	End	927
GI	6721512	Score	155
Exons	1..65, 458..497, 610..784, 812..927		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66604	Strand	+
Start	10918	End	11265
Name	OJ991018_13.0118.C7.o3.gs	Method	GENSCAN
Start	10918	End	11265

GI	none	Score	.79
Exons	10918..11265		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66605	Strand	+
Start	20309	End	21740
Name	OJ991018_13.0118.C7.o5.gs	Method	GENSCAN
Start	20309	End	21740
GI	none	Score	.4
Exons	20309..20310, 20409..21035, 21117..21231, 21621..21740		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66606	Strand	+
Start	25168	End	25711
Name	OJ991018_13.0118.C7.o2.gp	Method	AAT/GAP
Start	25168	End	25711
GI	51400_1.R1084	Score	1028
Exons	25168..25711		
GI Descrip.	'4519936/dbj|BAA75812.1| 3.0e-11 (AB019186) RPR1 [Oryza sativa]'		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66607	Strand	-
Start	44	End	638
Name	OJ991018_13.0118.C7.o1.gp	Method	AAT/GAP
Start	44	End	638
GI	none	Score	901
Exons	44..478, 593..638		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66608	Strand	-
Start	17828	End	20518
Name	OJ991018_13.0118.C7.o3.np	Method	AAT/NAP
Start	17828	End	20518
GI	3335336	Score	238
Exons	17828..18158, 20407..20518		
GI Descrip.	(AC004512) Contains similarity to DnaJ gene YM8520.10 gb|825566 from from S. cerevisiae cosmid gb|Z49705. ESTs gb|Z47720 and gb|Z29879 come from this gene. [Arabidopsis thaliana]		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66609	Strand	-
Start	25257	End	27956
Name	OJ991018_13.0118.C7.o2.tm	Method	TBLASTX:Maize
Start	17830	End	18158
GI	none	Score	175
Exons	17830..17961, 17831..17962, 17832..17960, 17832..17963, 17833..17961, 18037..18150, 18041..18151, 18044..18142, 18048..18158		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66609	Strand	-
Start	25257	End	27956
Name	OJ991018_13.0118.C7.o7.gs	Method	GENSCAN
Start	25257	End	26648
GI	none	Score	.95
Exons	25257..26648		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66609	Strand	-
Start	25257	End	27956
Name	OJ991018_13.0118.C7.o1.tm	Method	TBLASTX:Maize
Start	25332	End	26261
GI	none	Score	105
Exons	25332..25685, 25354..25647, 25785..26261		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66609	Strand	-
Start	25257	End	27956
Name	OJ991018_13.0118.C7.o1.ts	Method	TBLASTX:Soybean
Start	25335	End	26369
GI	none	Score	69
Exons	25335..25682, 25447..25722, 25737..26027, 26079..26369		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66609	Strand	-
Start	25257	End	27956
Name	OJ991018_13.0118.C7.o1.tw	Method	TBLASTX:Wheat
Start	26039	End	26456
GI	none	Score	177
Exons	26039..26344, 26055..26321, 26055..26345, 26056..26379, 26334..26435, 26339..26446, 26355..26456		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66609	Strand	-
Start	25257	End	27956
Name	OJ991018_13.0118.C7.o4.np	Method	AAT/NAP
Start	26160	End	27956
GI	5669782	Score	1666
Exons	26160..27956		
GI Descrip.	(AF108010) Hv1LRR2 [Hordeum vulgare]		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66609	Strand	-
Start	25257	End	27956
Name	OJ991018_13.0118.C7.o3.tm	Method	TBLASTX:Maize
Start	26474	End	26765
GI	none	Score	159
Exons	26474..26644, 26485..26757, 26487..26765		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66609	Strand	-
Start	25257	End	27956
Name	OJ991018_13.0118.C7.o3.ts	Method	TBLASTX:Soybean
Start	26496	End	26811
GI	none	Score	85
Exons	26496..26648, 26670..26810, 26671..26811		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66609	Strand	-
Start	25257	End	27956
Name	OJ991018_13.0118.C7.o2.tw	Method	TBLASTX:Wheat
Start	26683	End	27022
GI	none	Score	155
Exons	26683..26790, 26685..26921, 26685..26921, 26981..27022		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66609	Strand	-
Start	25257	End	27956
Name	OJ991018_13.0118.C7.o2.ts	Method	TBLASTX:Soybean
Start	27102	End	27947
GI	none	Score	76
Exons	27102..27386, 27102..27404, 27396..27557, 27397..27474, 27777..27947		

Seq. No.	32180	Seq. ID	OJ991018_13.0118.C7
Gene No.	66609	Strand	-
Start	25257	End	27956
Name	OJ991018_13.0118.C7.o8.gs	Method	GENSCAN
Start	27666	End	27956
GI	none	Score	.76
Exons	27666..27956		

Seq. No.	32181	Seq. ID	OJ991018_13.0118.C8
Gene No.	66610	Strand	-
Start	1643	End	4879
Name	OJ991018_13.0118.C8.o1.tm	Method	TBLASTX:Maize
Start	1630	End	1984
GI	none	Score	218
Exons	1630..1899, 1637..1783, 1642..1887, 1850..1984, 1851..1904		

Seq. No.	32181	Seq. ID	OJ991018_13.0118.C8
Gene No.	66610	Strand	-
Start	1643	End	4879
Name	OJ991018_13.0118.C8.o1.gs	Method	GENSCAN
Start	1643	End	4877
GI	none	Score	.98
Exons	1643..1970, 3191..3306, 3421..3521, 4651..4699, 4824..4877		

Seq. No.	32181	Seq. ID	OJ991018_13.0118.C8
Gene No.	66610	Strand	-
Start	1643	End	4879
Name	OJ991018_13.0118.C8.o1.np	Method	AAT/NAP
Start	1646	End	4877
GI	3335336	Score	510
Exons	1646..1970, 3191..3306, 3421..3521, 4651..4693, 4797..4877		
GI Descrip.	(AC004512) Contains similarity to DnaJ gene YM8520.10 gb|825566 from from S. cerevisiae cosmid gb|Z49705. ESTs gb|Z47720 and gb|Z29879 come from this gene. [Arabidopsis thaliana]		

Seq. No.	32181	Seq. ID	OJ991018_13.0118.C8
Gene No.	66610	Strand	-
Start	1643	End	4879
Name	OJ991018_13.0118.C8.o1.gp	Method	AAT/GAP
Start	1763	End	3232
GI	2797218	Score	419
Exons	1763..1970, 3191..3232		

Seq. No.	32181	Seq. ID	OJ991018_13.0118.C8
Gene No.	66610	Strand	-
Start	1643	End	4879
Name	OJ991018_13.0118.C8.o1.tc	Method	TBLASTX:Cress

Start	3191	End	3523
GI	none	Score	90
Exons	3191..3304, 3196..3303, 3418..3522, 3419..3523		

Seq. No.	32181	Seq. ID	OJ991018_13.0118.C8
Gene No.	66610	Strand	-
Start	1643	End	4879
Name	OJ991018_13.0118.C8.o2.tm	Method	TBLASTX:Maize
Start	3202	End	4878
GI	none	Score	154
Exons	3202..3303, 3203..3304, 3389..3523, 3421..3522, 4641..4700, 4649..4690, 4822..4878		

Seq. No.	32181	Seq. ID	OJ991018_13.0118.C8
Gene No.	66610	Strand	-
Start	1643	End	4879
Name	OJ991018_13.0118.C8.o2.gp	Method	AAT/GAP
Start	3275	End	4879
GI	17161_1.R1084	Score	347
Exons	3275..3306, 3421..3521, 4651..4701, 4825..4879		
GI Descrip.	'3335336 3.0e-42 (AC004512) Contains similarity to DnaJ gene YM8520.10 gb_825566 from from S. cerevisiae cosmid gb_Z49705. ESTs gb_Z47720 and gb_Z29879 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	32182	Seq. ID	OJ991018_13.0118.C9
Gene No.	66611	Strand	-
Start	1	End	2876
Name	OJ991018_13.0118.C9.o1.gp	Method	AAT/GAP
Start	1	End	2868
GI	17161_1.R1084	Score	405
Exons	1..61, 1320..1411, 2538..2640, 2818..2868		
GI Descrip.	'3335336 3.0e-42 (AC004512) Contains similarity to DnaJ gene YM8520.10 gb_825566 from from S. cerevisiae cosmid gb_Z49705. ESTs gb_Z47720 and gb_Z29879 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	32182	Seq. ID	OJ991018_13.0118.C9
Gene No.	66611	Strand	-
Start	1	End	2876
Name	OJ991018_13.0118.C9.o1.np	Method	AAT/NAP
Start	1	End	2876
GI	3335336	Score	204
Exons	1..62, 1320..1411, 2538..2661, 2806..2876		
GI Descrip.	(AC004512) Contains similarity to DnaJ gene YM8520.10 gb|825566 from from S. cerevisiae cosmid gb|Z49705. ESTs gb|Z47720 and gb|Z29879 come from this gene. [Arabidopsis thaliana]		

Seq. No.	32182	Seq. ID	OJ991018_13.0118.C9
Gene No.	66611	Strand	-
Start	1	End	2876
Name	OJ991018_13.0118.C9.o1.gs	Method	GENSCAN
Start	1267	End	2876
GI	none	Score	.86
Exons	1267..1285, 1323..1411, 2538..2640, 2818..2876		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10

Gene No.	66612	Strand	+
Start	1262	End	4869
Name	OJ991018_13.0118.C10.o1.np	Method	AAT/NAP
Start	1262	End	4869
GI	6721516	Score	573
Exons	1262..1306, 2954..3194, 3609..3925, 4712..4869		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66613	Strand	+
Start	13487	End	21272
Name	OJ991018_13.0118.C10.o3.gs	Method	GENSCAN
Start	13487	End	21272
GI	none	Score	.41
Exons	13487..13882, 14072..14122, 15489..15642, 18375..18571, 18647..18739, 20847..21272		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66614	Strand	-
Start	1055	End	5098
Name	OJ991018_13.0118.C10.o1.gs	Method	GENSCAN
Start	1055	End	5098
GI	none	Score	.86
Exons	1055..1389, 2093..2399, 2571..2621, 3222..3284, 5013..5098		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66615	Strand	-
Start	6038	End	12238
Name	OJ991018_13.0118.C10.o2.gs	Method	GENSCAN
Start	6038	End	12119
GI	none	Score	.9
Exons	6038..7118, 7249..7367, 7402..7454, 7936..8074, 8391..8556, 8588..8656, 9688..9756, 10279..10535, 10692..11097, 12046..12119		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66615	Strand	-
Start	6038	End	12238
Name	OJ991018_13.0118.C10.o2.np	Method	AAT/NAP
Start	6119	End	10629
GI	6714304	Score	1357
Exons	6119..6936, 6994..7118, 7249..7324, 7402..7454, 9548..9604, 9688..9765, 10542..10629		
GI Descrip.	(AC013354) F15H18.6 [Arabidopsis thaliana]		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66615	Strand	-
Start	6038	End	12238
Name	OJ991018_13.0118.C10.o1.gp	Method	AAT/GAP
Start	6168	End	6604
GI	none	Score	874
Exons	6168..6604		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66615	Strand	-
Start	6038	End	12238
Name	OJ991018_13.0118.C10.o3.np	Method	AAT/NAP
Start	10278	End	12238

GI	6714303	Score	508
Exons	10278..10535, 10692..11097, 12046..12238		
GI Descrip.	(AC013354) F15H18.7 [Arabidopsis thaliana]		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66616	Strand	-
Start	16233	End	17782
Name	OJ991018_13.0118.C10.o2.gp	Method	AAT/GAP
Start	16233	End	17782
GI	LIB3432-060-P1-K1-F9	Score	966
Exons	16233..16320, 17077..17164, 17261..17378, 17541..17782		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	6077	End	7454
GI	none	Score	1082
Exons	6077..7120, 6150..6965, 7038..7121, 7246..7323, 7248..7322, 7250..7327, 7254..7331, 7394..7453, 7403..7453, 7404..7454		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o1.tc	Method	TBLASTX:Cress
Start	6197	End	6627
GI	none	Score	373
Exons	6197..6625, 6198..6626, 6508..6627		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o3.tc	Method	TBLASTX:Cress
Start	6629	End	6809
GI	none	Score	115
Exons	6629..6808, 6629..6808, 6630..6809		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	6753	End	6952
GI	none	Score	182
Exons	6753..6917, 6764..6952, 6799..6933		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	10870	End	12227
GI	none	Score	196
Exons	10870..11100, 10878..11147, 12034..12222, 12046..12219, 12048..12227		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10

Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o2.tc	Method	TBLASTX:Cress
Start	10954	End	12253
GI	none	Score	35
Exons	10954..10989, 11007..11099, 11039..11098, 12046..12237, 12051..12236, 12089..12253		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o2.ts	Method	TBLASTX:Soybean
Start	12046	End	12222
GI	none	Score	193
Exons	12046..12219, 12048..12218, 12049..12222		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o4.np	Method	AAT/NAP
Start	17767	End	19315
GI	5880692	Score	123
Exons	17767..17796, 19147..19315		
GI Descrip.	(AF137379) apocytochrome b6 of cytochrome b6/f complex [Nephroselmis olivacea]		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o5.np	Method	AAT/NAP
Start	18643	End	22297
GI	5295950	Score	576
Exons	18643..18699, 20886..21265, 22244..22297		
GI Descrip.	(AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o3.ts	Method	TBLASTX:Soybean
Start	19126	End	19427
GI	none	Score	46
Exons	19126..19155, 19127..19165, 19150..19212, 19151..19222, 19212..19244, 19246..19395, 19247..19339, 19334..19393, 19335..19427, 19381..19407		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o4.tc	Method	TBLASTX:Cress
Start	19150	End	19390
GI	none	Score	74
Exons	19150..19212, 19151..19222, 19212..19244, 19214..19246, 19246..19323, 19247..19321, 19334..19387, 19334..19390		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-

Start	17767	End	22297
Name	OJ991018_13.0118.C10.o3.gp	Method	AAT/GAP
Start	20218	End	20529
GI	LIB3475-011-P1-K1-B8	Score	576
Exons	20218..20529		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 1.0e-140 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	32183	Seq. ID	OJ991018_13.0118.C10
Gene No.	66617	Strand	-
Start	17767	End	22297
Name	OJ991018_13.0118.C10.o4.gp	Method	AAT/GAP
Start	20775	End	21185
GI	LIB3433-037-P1-K1-H5	Score	766
Exons	20775..21185		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 9.0e-92 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	32184	Seq. ID	OJ991018_13.0118.C11
Gene No.	66618	Strand	-
Start	1	End	3148
Name	OJ991018_13.0118.C11.o1.np	Method	AAT/NAP
Start	1	End	3148
GI	6598399	Score	1249
Exons	1..110, 1031..3148		
GI Descrip.	(AC003952) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	32184	Seq. ID	OJ991018_13.0118.C11
Gene No.	66618	Strand	-
Start	1	End	3148
Name	OJ991018_13.0118.C11.o1.gs	Method	GENSCAN
Start	480	End	3078
GI	none	Score	.58
Exons	480..556, 682..773, 1172..1261, 1823..1976, 2094..2199, 2551..2724, 2791..2853, 2887..3078		

Seq. No.	32184	Seq. ID	OJ991018_13.0118.C11
Gene No.	66618	Strand	-
Start	1	End	3148
Name	OJ991018_13.0118.C11.o3.tw	Method	TBLASTX:Wheat
Start	857	End	1240
GI	none	Score	108
Exons	857..1240, 1008..1211		

Seq. No.	32184	Seq. ID	OJ991018_13.0118.C11
Gene No.	66618	Strand	-
Start	1	End	3148
Name	OJ991018_13.0118.C11.o4.tw	Method	TBLASTX:Wheat
Start	1603	End	1785
GI	none	Score	62
Exons	1603..1785, 1604..1771		

Seq. No.	32184	Seq. ID	OJ991018_13.0118.C11
Gene No.	66618	Strand	-
Start	1	End	3148
Name	OJ991018_13.0118.C11.o1.tm	Method	TBLASTX:Maize

Start	1642	End	2022
GI	none	Score	140
Exons	1642..2022, 1655..2020		

Seq. No.	32184	Seq. ID	OJ991018_13.0118.C11
Gene No.	66618	Strand	-
Start	1	End	3148
Name	OJ991018_13.0118.C11.o1.ts	Method	TBLASTX:Soybean
Start	1669	End	2088
GI	none	Score	73
Exons	1669..1881, 1739..1882, 1903..2088		

Seq. No.	32184	Seq. ID	OJ991018_13.0118.C11
Gene No.	66618	Strand	-
Start	1	End	3148
Name	OJ991018_13.0118.C11.o2.tw	Method	TBLASTX:Wheat
Start	1793	End	2209
GI	none	Score	44
Exons	1793..1855, 1825..2208, 1837..2157, 1853..2209		

Seq. No.	32184	Seq. ID	OJ991018_13.0118.C11
Gene No.	66618	Strand	-
Start	1	End	3148
Name	OJ991018_13.0118.C11.o2.tm	Method	TBLASTX:Maize
Start	2335	End	2805
GI	none	Score	76
Exons	2335..2616, 2384..2443, 2512..2610, 2644..2805		

Seq. No.	32184	Seq. ID	OJ991018_13.0118.C11
Gene No.	66618	Strand	-
Start	1	End	3148
Name	OJ991018_13.0118.C11.o2.ts	Method	TBLASTX:Soybean
Start	2356	End	2616
GI	none	Score	184
Exons	2356..2616		

Seq. No.	32184	Seq. ID	OJ991018_13.0118.C11
Gene No.	66618	Strand	-
Start	1	End	3148
Name	OJ991018_13.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	2380	End	2760
GI	none	Score	141
Exons	2380..2547, 2381..2548, 2540..2758, 2540..2743, 2542..2760		

Seq. No.	32185	Seq. ID	OJ991018_13.0118.C12
Gene No.	66619	Strand	+
Start	4981	End	5870
Name	OJ991018_13.0118.C12.o3.np	Method	AAT/NAP
Start	4867	End	5870
GI	5852173	Score	461
Exons	4867..5870		
GI Descrip.	(AL117265) zhb0003.1 [Oryza sativa]		

Seq. No.	32185	Seq. ID	OJ991018_13.0118.C12
Gene No.	66619	Strand	+
Start	4981	End	5870
Name	OJ991018_13.0118.C12.o2.gs	Method	GENSCAN

Start	4981	End	5848
GI	none	Score	.88
Exons	4981..5848		

Seq. No.	32186	Seq. ID	OJ991018_13.0118.C13
Gene No.	66620	Strand	+
Start	241	End	1058
Name	OJ991018_13.0118.C13.o1.gs	Method	GENSCAN
Start	241	End	1058
GI	none	Score	.86
Exons	241..309, 659..763, 1029..1058		

Seq. No.	32186	Seq. ID	OJ991018_13.0118.C13
Gene No.	66621	Strand	+
Start	4776	End	10505
Name	OJ991018_13.0118.C13.o2.tm	Method	TBLASTX:Maize
Start	3057	End	3302
GI	none	Score	272
Exons	3057..3302, 3072..3302		

Seq. No.	32186	Seq. ID	OJ991018_13.0118.C13
Gene No.	66621	Strand	+
Start	4776	End	10505
Name	OJ991018_13.0118.C13.o1.tm	Method	TBLASTX:Maize
Start	3401	End	8213
GI	none	Score	71
Exons	3401..3472, 7835..7888, 7889..8116, 7890..8129, 7893..8129, 8133..8213, 8133..8213		

Seq. No.	32186	Seq. ID	OJ991018_13.0118.C13
Gene No.	66621	Strand	+
Start	4776	End	10505
Name	OJ991018_13.0118.C13.o1.np	Method	AAT/NAP
Start	4776	End	7462
GI	6815109	Score	1992
Exons	4776..4815, 6125..7462		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32186	Seq. ID	OJ991018_13.0118.C13
Gene No.	66621	Strand	+
Start	4776	End	10505
Name	OJ991018_13.0118.C13.o2.np	Method	AAT/NAP
Start	6602	End	10505
GI	421954	Score	595
Exons	6602..6648, 7856..8755, 10483..10505		
GI Descrip.	hypothetical protein 3 - potato transposon Tst1 gi|21433|emb|CAA36615| (X52387) ORF3 [Solanum tuberosum]		

Seq. No.	32186	Seq. ID	OJ991018_13.0118.C13
Gene No.	66621	Strand	+
Start	4776	End	10505
Name	OJ991018_13.0118.C13.o1.ts	Method	TBLASTX:Soybean
Start	8064	End	8457
GI	none	Score	84
Exons	8064..8150, 8160..8339, 8341..8457		

Seq. No.	32186	Seq. ID	OJ991018_13.0118.C13

Gene No.	66621	Strand	+
Start	4776	End	10505
Name	OJ991018_13.0118.C13.o1.tw	Method	TBLASTX:Wheat
Start	8073	End	8721
GI	none	Score	146
Exons	8073..8336, 8338..8499, 8515..8604, 8599..8721		

Seq. No.	32186	Seq. ID	OJ991018_13.0118.C13
Gene No.	66621	Strand	+
Start	4776	End	10505
Name	OJ991018_13.0118.C13.o3.tm	Method	TBLASTX:Maize
Start	8259	End	8676
GI	none	Score	56
Exons	8259..8333, 8308..8595, 8611..8676		

Seq. No.	32186	Seq. ID	OJ991018_13.0118.C13
Gene No.	66621	Strand	+
Start	4776	End	10505
Name	OJ991018_13.0118.C13.o1.tc	Method	TBLASTX:Cress
Start	8301	End	8736
GI	none	Score	38
Exons	8301..8339, 8335..8541, 8340..8576, 8563..8736		

Seq. No.	32187	Seq. ID	OJ991018_13.0118.C14
Gene No.	66622	Strand	-
Start	1	End	952
Name	OJ991018_13.0118.C14.o1.np	Method	AAT/NAP
Start	1	End	952
GI	2707336	Score	78
Exons	1..49, 371..517, 809..952		
GI Descrip.	(AF037442) histone acetyltransferase [Arabidopsis thaliana]		

Seq. No.	32188	Seq. ID	OJ991018_13.0118.C15
Gene No.	66623	Strand	+
Start	1	End	4917
Name	OJ991018_13.0118.C15.o1.np	Method	AAT/NAP
Start	1	End	1947
GI	421954	Score	70
Exons	1..31, 1730..1947		
GI Descrip.	hypothetical protein 3 - potato transposon Tst1 gi|21433|emb|CAA36615| (X52387) ORF3 [Solanum tuberosum]		

Seq. No.	32188	Seq. ID	OJ991018_13.0118.C15
Gene No.	66623	Strand	+
Start	1	End	4917
Name	OJ991018_13.0118.C15.o2.np	Method	AAT/NAP
Start	1529	End	4917
GI	5091513	Score	791
Exons	1529..1567, 4339..4917		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32188	Seq. ID	OJ991018_13.0118.C15
Gene No.	66623	Strand	+
Start	1	End	4917
Name	OJ991018_13.0118.C15.o1.gp	Method	AAT/GAP
Start	3615	End	3732
GI	5816518	Score	158

Exons	3615..3732		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	32188	Seq. ID	OJ991018_13.0118.C15
Gene No.	66623	Strand	+
Start	1	End	4917
Name	OJ991018_13.0118.C15.o2.gp	Method	AAT/GAP
Start	3740	End	3968
GI	3761181	Score	339
Exons	3740..3968		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	32188	Seq. ID	OJ991018_13.0118.C15
Gene No.	66623	Strand	+
Start	1	End	4917
Name	OJ991018_13.0118.C15.o2.gs	Method	GENSCAN
Start	4036	End	4892
GI	none	Score	.6
Exons	4036..4059, 4339..4892		
Seq. No.	32189	Seq. ID	OJ991018_13.0118.C16
Gene No.	66624	Strand	+
Start	1	End	3029
Name	OJ991018_13.0118.C16.o1.np	Method	AAT/NAP
Start	1	End	3029
GI	5091513	Score	1145
Exons	1..312, 1066..1834, 1941..2093, 2815..3029		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	32189	Seq. ID	OJ991018_13.0118.C16
Gene No.	66624	Strand	+
Start	1	End	3029
Name	OJ991018_13.0118.C16.o2.gs	Method	GENSCAN
Start	2663	End	2818
GI	none	Score	.68
Exons	2663..2818		
Seq. No.	32190	Seq. ID	OJ991018_13.0118.C19
Gene No.	66625	Strand	+
Start	461	End	881
Name	OJ991018_13.0118.C19.o1.gs	Method	GENSCAN
Start	461	End	881
GI	none	Score	.96
Exons	461..881		
Seq. No.	32190	Seq. ID	OJ991018_13.0118.C19
Gene No.	66626	Strand	-
Start	537	End	906
Name	OJ991018_13.0118.C19.o1.np	Method	AAT/NAP
Start	537	End	906
GI	5091512	Score	546
Exons	537..906		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	32191	Seq. ID	OJ991018_13.0118.C20
Gene No.	66627	Strand	-
Start	1	End	680
Name	OJ991018_13.0118.C20.o1.np	Method	AAT/NAP
Start	1	End	680
GI	5091513	Score	848
Exons	1..680		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32191	Seq. ID	OJ991018_13.0118.C20
Gene No.	66627	Strand	-
Start	1	End	680
Name	OJ991018_13.0118.C20.o1.gs	Method	GENSCAN
Start	73	End	662
GI	none	Score	.52
Exons	73..662		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66628	Strand	+
Start	1	End	2435
Name	OJ991108_15.0125.C1.o1.np	Method	AAT/NAP
Start	1	End	1116
GI	4680186	Score	210
Exons	1..278, 912..1116		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66628	Strand	+
Start	1	End	2435
Name	OJ991108_15.0125.C1.o1.gs	Method	GENSCAN
Start	1005	End	2435
GI	none	Score	.67
Exons	1005..1141, 1805..2435		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66629	Strand	+
Start	15044	End	17339
Name	OJ991108_15.0125.C1.o3.gs	Method	GENSCAN
Start	15044	End	17339
GI	none	Score	.74
Exons	15044..15564, 15658..15881, 15966..16161, 16188..16615, 16686..16951, 17049..17339		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66630	Strand	+
Start	18745	End	20061
Name	OJ991108_15.0125.C1.o4.gs	Method	GENSCAN
Start	18745	End	20061
GI	none	Score	.63
Exons	18745..18768, 18820..19020, 19660..19743, 19873..20061		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66631	Strand	+
Start	22491	End	24302
Name	OJ991108_15.0125.C1.o5.gs	Method	GENSCAN
Start	22491	End	24302
GI	none	Score	.73

Exons	22491..22551, 23471..23560, 24136..24302		
Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66632	Strand	+
Start	26720	End	30868
Name	OJ991108_15.0125.C1.o5.np	Method	AAT/NAP
Start	26720	End	29440
GI	322755	Score	75
Exons	26720..26751, 27207..27404, 27636..27667, 27712..27747, 29407..29440		
GI Descrip.	pistil extensin-like protein (clone pMG04) - common tobacco (fragment) gi|19919|emb|CAA78398| (Z14020) Pistil extensin like protein, partial CDS only [Nicotiana tabacum]		
Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66632	Strand	+
Start	26720	End	30868
Name	OJ991108_15.0125.C1.o7.gs	Method	GENSCAN
Start	27351	End	28234
GI	none	Score	.89
Exons	27351..27706, 27799..27890, 27936..28234		
Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66632	Strand	+
Start	26720	End	30868
Name	OJ991108_15.0125.C1.o7.np	Method	AAT/NAP
Start	28807	End	30868
GI	6721561	Score	138
Exons	28807..28896, 30847..30868		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66633	Strand	+
Start	36213	End	40991
Name	OJ991108_15.0125.C1.o10.gs	Method	GENSCAN
Start	36213	End	40991
GI	none	Score	.53
Exons	36213..36638, 37252..37329, 37998..38135, 40911..40991		
Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66634	Strand	+
Start	45009	End	48915
Name	OJ991108_15.0125.C1.o12.gs	Method	GENSCAN
Start	45009	End	46942
GI	none	Score	.58
Exons	45009..45038, 45091..45167, 45243..45787, 46497..46538, 46932..46942		
Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66634	Strand	+
Start	45009	End	48915
Name	OJ991108_15.0125.C1.o9.np	Method	AAT/NAP
Start	45645	End	48915

GI	6498441	Score	82
Exons	45645..45873, 48882..48915		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66635	Strand	-
Start	660	End	1045
Name	OJ991108_15.0125.C1.o1.gp	Method	AAT/GAP
Start	660	End	1045
GI	uC-osf1cyp033a04b1	Score	633
Exons	660..1045		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66636	Strand	-
Start	3114	End	14655
Name	OJ991108_15.0125.C1.o2.gs	Method	GENSCAN
Start	3114	End	14655
GI	none	Score	.56
Exons	3114..3896, 3987..4191, 4923..5219, 5931..7849, 7909..9231, 11302..11369, 13244..13310, 14593..14655		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66636	Strand	-
Start	3114	End	14655
Name	OJ991108_15.0125.C1.o2.np	Method	AAT/NAP
Start	5990	End	10635
GI	4680203	Score	1654
Exons	5990..6841, 7118..7342, 7499..9231, 10585..10635		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66636	Strand	-
Start	3114	End	14655
Name	OJ991108_15.0125.C1.o3.np	Method	AAT/NAP
Start	9083	End	12364
GI	6967113	Score	591
Exons	9083..9114, 11013..12364		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66637	Strand	-
Start	21541	End	26725
Name	OJ991108_15.0125.C1.o4.np	Method	AAT/NAP
Start	21541	End	26457
GI	4206306	Score	1511
Exons	21541..21594, 24215..26457		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66637	Strand	-
Start	21541	End	26725
Name	OJ991108_15.0125.C1.o6.gs	Method	GENSCAN
Start	24408	End	26725

GI	none	Score	.66
Exons	24408..25010, 25107..25298, 25587..25688, 25718..26278, 26408..26725		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66638	Strand	-
Start	28685	End	33738
Name	OJ991108_15.0125.C1.o6.np	Method	AAT/NAP
Start	28685	End	32735
GI	4680183	Score	122
Exons	28685..28776, 28905..28984, 32640..32735		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66638	Strand	-
Start	28685	End	33738
Name	OJ991108_15.0125.C1.o8.np	Method	AAT/NAP
Start	28945	End	32267
GI	6721512	Score	76
Exons	28945..29077, 30229..30477, 32238..32267		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66638	Strand	-
Start	28685	End	33738
Name	OJ991108_15.0125.C1.o8.gs	Method	GENSCAN
Start	29584	End	33738
GI	none	Score	.48
Exons	29584..29675, 30012..30071, 31427..31487, 33204..33350, 33610..33738		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66639	Strand	-
Start	35232	End	35479
Name	OJ991108_15.0125.C1.o9.gs	Method	GENSCAN
Start	35232	End	35479
GI	none	Score	.9
Exons	35232..35350, 35374..35479		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66640	Strand	-
Start	42476	End	44162
Name	OJ991108_15.0125.C1.o11.gs	Method	GENSCAN
Start	42476	End	44162
GI	none	Score	.58
Exons	42476..42932, 43032..43128, 43168..43302, 43881..43937, 43946..44027, 44103..44162		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o5.ts	Method	TBLASTX:Soybean
Start	6035	End	6247
GI	none	Score	90
Exons	6035..6247, 6089..6247		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1

Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o1.tw	Method	TBLASTX:Wheat
Start	6095	End	7228
GI	none	Score	58
Exons	6095..6196, 6102..6194, 6198..6317, 6227..6328, 6305..6493, 6321..6503, 6512..7228, 6600..7175		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o7.tm	Method	TBLASTX:Maize
Start	6329	End	6619
GI	none	Score	104
Exons	6329..6436, 6330..6437, 6449..6619, 6455..6571		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o1.tc	Method	TBLASTX:Cress
Start	6512	End	6937
GI	none	Score	128
Exons	6512..6937, 6600..6929		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o2.tm	Method	TBLASTX:Maize
Start	6869	End	7252
GI	none	Score	266
Exons	6869..7183, 6870..7184, 7184..7252		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o9.tw	Method	TBLASTX:Wheat
Start	7960	End	8143
GI	none	Score	116
Exons	7960..8142, 8006..8143		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o2.tc	Method	TBLASTX:Cress
Start	8047	End	8379
GI	none	Score	77
Exons	8047..8379, 8102..8203, 8243..8293		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o6.tm	Method	TBLASTX:Maize
Start	8068	End	8283
GI	none	Score	200
Exons	8068..8283, 8078..8269, 8112..8273		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1

Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o4.ts	Method	TBLASTX:Soybean
Start	8128	End	8403
GI	none	Score	114
Exons	8128..8403, 8129..8368		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o3.tw	Method	TBLASTX:Wheat
Start	8143	End	8736
GI	none	Score	61
Exons	8143..8268, 8144..8251, 8272..8388, 8287..8385, 8444..8578, 8446..8736, 8557..8688		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o1.ts	Method	TBLASTX:Soybean
Start	8446	End	8718
GI	none	Score	94
Exons	8446..8718, 8453..8701		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o8.tm	Method	TBLASTX:Maize
Start	9955	End	10287
GI	none	Score	102
Exons	9955..9993, 9994..10095, 10091..10279, 10100..10231, 10105..10287		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o4.tw	Method	TBLASTX:Wheat
Start	10366	End	10734
GI	none	Score	114
Exons	10366..10653, 10366..10734		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o5.tm	Method	TBLASTX:Maize
Start	10459	End	10938
GI	none	Score	73
Exons	10459..10545, 10558..10842, 10712..10888, 10912..10938		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o7.tw	Method	TBLASTX:Wheat
Start	10981	End	11386
GI	none	Score	143
Exons	10981..11019, 11026..11169, 11186..11386		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o2.ts	Method	TBLASTX:Soybean
Start	11011	End	11536
GI	none	Score	107
Exons	11011..11196, 11183..11410, 11199..11420, 11480..11536		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o1.tm	Method	TBLASTX:Maize
Start	11139	End	12103
GI	none	Score	87
Exons	11139..11414, 11186..12103, 11481..11747, 11822..12064, 11886..12080		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o10.tw	Method	TBLASTX:Wheat
Start	11393	End	17196
GI	none	Score	58
Exons	11393..11473, 11465..11617, 11481..11600, 11622..11738, 11639..11740, 17128..17196		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o6.tw	Method	TBLASTX:Wheat
Start	11741	End	12037
GI	none	Score	160
Exons	11741..12037, 11811..12017		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o9.tm	Method	TBLASTX:Maize
Start	12188	End	12379
GI	none	Score	109
Exons	12188..12379, 12195..12362		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o8.tw	Method	TBLASTX:Wheat
Start	24444	End	24821
GI	none	Score	117
Exons	24444..24569, 24654..24821		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o3.ts	Method	TBLASTX:Soybean
Start	24645	End	24995
GI	none	Score	77
Exons	24645..24995, 24853..24978		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o4.tm	Method	TBLASTX:Maize
Start	24747	End	25130
GI	none	Score	193
Exons	24747..25130, 24760..25089, 24858..25109		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o2.tw	Method	TBLASTX:Wheat
Start	24870	End	25289
GI	none	Score	111
Exons	24870..25289, 24871..25083, 25014..25289		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o3.tm	Method	TBLASTX:Maize
Start	25158	End	25515
GI	none	Score	186
Exons	25158..25514, 25159..25515		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o5.tw	Method	TBLASTX:Wheat
Start	25290	End	25643
GI	none	Score	98
Exons	25290..25583, 25290..25643, 25291..25617		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o11.tw	Method	TBLASTX:Wheat
Start	25847	End	26200
GI	none	Score	75
Exons	25847..26023, 25848..26069, 26075..26200		

Seq. No.	32192	Seq. ID	OJ991108_15.0125.C1
Gene No.	66641	Strand	-
Start	48512	End	48788
Name	OJ991108_15.0125.C1.o13.gs	Method	GENSCAN
Start	48512	End	48788
GI	none	Score	.98
Exons	48512..48788		

Seq. No.	32193	Seq. ID	OJ991108_15.0125.C2
Gene No.	66642	Strand	-
Start	1	End	1363
Name	OJ991108_15.0125.C2.o1.np	Method	AAT/NAP
Start	1	End	555
GI	2832640	Score	75
Exons	1..95, 474..555		
GI Descrip.	(AL021710) neoxanthin cleavage enzyme - like protein		

[Arabidopsis thaliana]

Seq. No.	32193	Seq. ID	OJ991108_15.0125.C2
Gene No.	66642	Strand	-
Start	1	End	1363
Name	OJ991108_15.0125.C2.o1.tm	Method	TBLASTX:Maize
Start	7	End	801
GI	none	Score	92
Exons	7..114, 15..125, 467..643, 503..643, 751..801		

Seq. No.	32193	Seq. ID	OJ991108_15.0125.C2
Gene No.	66642	Strand	-
Start	1	End	1363
Name	OJ991108_15.0125.C2.o1.gs	Method	GENSCAN
Start	161	End	1363
GI	none	Score	.53
Exons	161..248, 748..800, 1072..1363		

Seq. No.	32193	Seq. ID	OJ991108_15.0125.C2
Gene No.	66642	Strand	-
Start	1	End	1363
Name	OJ991108_15.0125.C2.o2.tm	Method	TBLASTX:Maize
Start	1113	End	1259
GI	none	Score	134
Exons	1113..1259, 1115..1258		

Seq. No.	32194	Seq. ID	OJ991108_15.0125.C3
Gene No.	66643	Strand	+
Start	374	End	1165
Name	OJ991108_15.0125.C3.o1.gs	Method	GENSCAN
Start	374	End	1165
GI	none	Score	.72
Exons	374..376, 1130..1165		

Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66644	Strand	+
Start	5507	End	6762
Name	OJ991108_15.0125.C4.o2.gs	Method	GENSCAN
Start	5507	End	6762
GI	none	Score	.69
Exons	5507..5682, 6103..6298, 6324..6375, 6635..6762		

Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66645	Strand	-
Start	1878	End	5014
Name	OJ991108_15.0125.C4.o1.gs	Method	GENSCAN
Start	1878	End	5014
GI	none	Score	.68
Exons	1878..1987, 2173..2317, 3295..3583, 4947..5014		

Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66646	Strand	-
Start	7646	End	8120
Name	OJ991108_15.0125.C4.o3.gs	Method	GENSCAN
Start	7646	End	8120
GI	none	Score	.94
Exons	7646..7702, 7764..7907, 7977..8120		

Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66647	Strand	-
Start	8765	End	9061
Name	OJ991108_15.0125.C4.o1.gp	Method	AAT/GAP
Start	8765	End	9061
GI	61605_3.R1084	Score	431
Exons	8765..9061		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66648	Strand	-
Start	9498	End	15138
Name	OJ991108_15.0125.C4.o1.np	Method	AAT/NAP
Start	9498	End	11280
GI	6063554	Score	478
Exons	9498..9672, 10312..10339, 10683..10913, 11031..11280		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66648	Strand	-
Start	9498	End	15138
Name	OJ991108_15.0125.C4.o2.gp	Method	AAT/GAP
Start	10109	End	10845
GI	101153_1.R1084	Score	647
Exons	10109..10339, 10683..10845		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66648	Strand	-
Start	9498	End	15138
Name	OJ991108_15.0125.C4.o2.np	Method	AAT/NAP
Start	10578	End	12259
GI	6539588	Score	203
Exons	10578..10663, 11929..12259		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66648	Strand	-
Start	9498	End	15138
Name	OJ991108_15.0125.C4.o3.gp	Method	AAT/GAP
Start	10683	End	11027
GI	101153_1.R1084	Score	474
Exons	10683..11027		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66648	Strand	-
Start	9498	End	15138
Name	OJ991108_15.0125.C4.o5.gs	Method	GENSCAN
Start	11959	End	14902
GI	none	Score	.48

Exons	11959..12156, 12575..12675, 14540..14722, 14806..14902		
Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66648	Strand	-
Start	9498	End	15138
Name	OJ991108_15.0125.C4.o1.ts	Method	TBLASTX:Soybean
Start	14115	End	14789
GI	none	Score	101
Exons	14115..14393, 14412..14789, 14455..14781		
Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66648	Strand	-
Start	9498	End	15138
Name	OJ991108_15.0125.C4.o3.np	Method	AAT/NAP
Start	14145	End	15138
GI	6630685	Score	936
Exons	14145..15138		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66648	Strand	-
Start	9498	End	15138
Name	OJ991108_15.0125.C4.o1.tm	Method	TBLASTX:Maize
Start	14163	End	14789
GI	none	Score	47
Exons	14163..14789, 14173..14235, 14178..14384, 14296..14775		
Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66648	Strand	-
Start	9498	End	15138
Name	OJ991108_15.0125.C4.o1.tw	Method	TBLASTX:Wheat
Start	14565	End	14998
GI	none	Score	106
Exons	14565..14789, 14861..14998		
Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66648	Strand	-
Start	9498	End	15138
Name	OJ991108_15.0125.C4.o2.tm	Method	TBLASTX:Maize
Start	14792	End	15005
GI	none	Score	79
Exons	14792..14992, 14792..15004, 14868..15005		
Seq. No.	32195	Seq. ID	OJ991108_15.0125.C4
Gene No.	66648	Strand	-
Start	9498	End	15138
Name	OJ991108_15.0125.C4.o2.ts	Method	TBLASTX:Soybean
Start	14792	End	15037
GI	none	Score	66
Exons	14792..15037, 14874..15020		
Seq. No.	32196	Seq. ID	OJ991108_15.0125.C5
Gene No.	66649	Strand	-
Start	1	End	1830
Name	OJ991108_15.0125.C5.o1.np	Method	AAT/NAP
Start	1	End	1830

GI	3777527	Score	1096
Exons	1..413, 443..812, 966..1830		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	32196	Seq. ID	OJ991108_15.0125.C5
Gene No.	66649	Strand	-
Start	1	End	1830
Name	OJ991108_15.0125.C5.o2.tm	Method	TBLASTX:Maize
Start	6	End	384
GI	none	Score	89
Exons	6..230, 9..383, 10..384		

Seq. No.	32196	Seq. ID	OJ991108_15.0125.C5
Gene No.	66649	Strand	-
Start	1	End	1830
Name	OJ991108_15.0125.C5.o1.ts	Method	TBLASTX:Soybean
Start	46	End	688
GI	5509260	Score	281
Exons	46..426, 51..428, 381..560, 383..616, 638..688		
GI Descrip.	-		

Seq. No.	32196	Seq. ID	OJ991108_15.0125.C5
Gene No.	66649	Strand	-
Start	1	End	1830
Name	OJ991108_15.0125.C5.o1.tw	Method	TBLASTX:Wheat
Start	54	End	559
GI	none	Score	84
Exons	54..233, 60..407, 70..240, 262..399, 434..463, 470..559, 476..559		

Seq. No.	32196	Seq. ID	OJ991108_15.0125.C5
Gene No.	66649	Strand	-
Start	1	End	1830
Name	OJ991108_15.0125.C5.o1.tc	Method	TBLASTX:Cress
Start	174	End	446
GI	none	Score	106
Exons	174..446, 184..426		

Seq. No.	32196	Seq. ID	OJ991108_15.0125.C5
Gene No.	66649	Strand	-
Start	1	End	1830
Name	OJ991108_15.0125.C5.o2.tc	Method	TBLASTX:Cress
Start	996	End	1441
GI	none	Score	64
Exons	996..1139, 1004..1141, 1151..1441, 1268..1378		

Seq. No.	32196	Seq. ID	OJ991108_15.0125.C5
Gene No.	66649	Strand	-
Start	1	End	1830
Name	OJ991108_15.0125.C5.o1.tm	Method	TBLASTX:Maize
Start	998	End	1630
GI	none	Score	247
Exons	998..1126, 1136..1567, 1146..1481, 1566..1628, 1568..1630		

Seq. No.	32196	Seq. ID	OJ991108_15.0125.C5
Gene No.	66649	Strand	-
Start	1	End	1830

Name	OJ991108_15.0125.C5.o2.tw	Method	TBLASTX:Wheat
Start	1082	End	1675
GI	none	Score	44
Exons	1082..1126, 1142..1222, 1230..1478, 1250..1675, 1542..1667		

Seq. No.	32196	Seq. ID	OJ991108_15.0125.C5
Gene No.	66649	Strand	-
Start	1	End	1830
Name	OJ991108_15.0125.C5.o2.ts	Method	TBLASTX:Soybean
Start	1148	End	1459
GI	none	Score	124
Exons	1148..1459, 1155..1442		

Seq. No.	32197	Seq. ID	OJ991108_15.0125.C7
Gene No.	66650	Strand	-
Start	32	End	846
Name	OJ991108_15.0125.C7.o1.gs	Method	GENSCAN
Start	32	End	846
GI	none	Score	.69
Exons	32..485, 673..846		

Seq. No.	32198	Seq. ID	OJ991108_15.0125.C8
Gene No.	66651	Strand	+
Start	1	End	1003
Name	OJ991108_15.0125.C8.o1.np	Method	AAT/NAP
Start	1	End	1003
GI	6539588	Score	94
Exons	1..233, 978..1003		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	32198	Seq. ID	OJ991108_15.0125.C8
Gene No.	66651	Strand	+
Start	1	End	1003
Name	OJ991108_15.0125.C8.o1.gs	Method	GENSCAN
Start	361	End	473
GI	none	Score	.64
Exons	361..473		

Seq. No.	32199	Seq. ID	OJ991108_15.0125.C9
Gene No.	66652	Strand	-
Start	100	End	1547
Name	OJ991108_15.0125.C9.o1.gs	Method	GENSCAN
Start	100	End	1547
GI	none	Score	.47
Exons	100..222, 1048..1120, 1539..1547		

Seq. No.	32200	Seq. ID	OJ991018_19.0124.C1
Gene No.	66653	Strand	+
Start	3176	End	10192
Name	OJ991018_19.0124.C1.o1.gs	Method	GENSCAN
Start	3176	End	10192
GI	none	Score	.4
Exons	3176..3397, 4342..4425, 6331..6447, 6571..6634, 7506..7690, 7729..7934, 9358..9541, 9588..10041, 10170..10192		

Seq. No.	32200	Seq. ID	OJ991018_19.0124.C1
Gene No.	66654	Strand	+

Start	12771	End	13076
Name	OJ991018_19.0124.C1.o1.gp	Method	AAT/GAP
Start	12771	End	13076
GI	72524_1.R1084	Score	431
Exons	12771..13076		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	32200	Seq. ID	OJ991018_19.0124.C1
Gene No.	66654	Strand	+
Start	12771	End	13076
Name	OJ991018_19.0124.C1.o2.gp	Method	AAT/GAP
Start	12971	End	13076
GI	5816518	Score	154
Exons	12971..13076		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	32200	Seq. ID	OJ991018_19.0124.C1
Gene No.	66655	Strand	+
Start	18622	End	18930
Name	OJ991018_19.0124.C1.o3.gp	Method	AAT/GAP
Start	18622	End	18927
GI	72524_1.R1084	Score	433
Exons	18622..18927		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	32200	Seq. ID	OJ991018_19.0124.C1
Gene No.	66655	Strand	+
Start	18622	End	18930
Name	OJ991018_19.0124.C1.o4.gp	Method	AAT/GAP
Start	18822	End	18930
GI	5816518	Score	159
Exons	18822..18930		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	32200	Seq. ID	OJ991018_19.0124.C1
Gene No.	66656	Strand	-
Start	10448	End	19277
Name	OJ991018_19.0124.C1.o2.gs	Method	GENSCAN
Start	10448	End	19277
GI	none	Score	.74
Exons	10448..10694, 11270..11371, 11697..11849, 12557..12684, 13745..13801, 14726..15016, 15321..15475, 15629..15838, 15921..16057, 16165..16575, 17445..18112, 18475..18535, 18914..19125, 19146..19277		

Seq. No.	32200	Seq. ID	OJ991018_19.0124.C1
Gene No.	66656	Strand	-
Start	10448	End	19277
Name	OJ991018_19.0124.C1.o1.np	Method	AAT/NAP
Start	14532	End	18112
GI	5091513	Score	1810
Exons	14532..14730, 14765..14974, 15435..15646, 15768..16543, 17375..18112		

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	32201	Seq. ID	OJ991018_19.0124.C2
Gene No.	66657	Strand	+
Start	753	End	802
Name	OJ991018_19.0124.C2.o1.gp	Method	AAT/GAP
Start	753	End	802
GI	3759960	Score	58
Exons	753..802		

Seq. No.	32201	Seq. ID	OJ991018_19.0124.C2
Gene No.	66658	Strand	+
Start	1843	End	4797
Name	OJ991018_19.0124.C2.o1.np	Method	AAT/NAP
Start	1843	End	4797
GI	4680204	Score	728
Exons	1843..1877, 3059..4273, 4368..4797		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32201	Seq. ID	OJ991018_19.0124.C2
Gene No.	66658	Strand	+
Start	1843	End	4797
Name	OJ991018_19.0124.C2.o2.np	Method	AAT/NAP
Start	1844	End	4797
GI	4680204	Score	729
Exons	1844..1877, 3059..4273, 4368..4797		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32201	Seq. ID	OJ991018_19.0124.C2
Gene No.	66658	Strand	+
Start	1843	End	4797
Name	OJ991018_19.0124.C2.o2.gs	Method	GENSCAN
Start	3608	End	4225
GI	none	Score	.74
Exons	3608..4225		

Seq. No.	32201	Seq. ID	OJ991018_19.0124.C2
Gene No.	66659	Strand	-
Start	4401	End	4747
Name	OJ991018_19.0124.C2.o1.tw	Method	TBLASTX:Wheat
Start	3483	End	3883
GI	none	Score	80
Exons	3483..3602, 3583..3723, 3584..3715, 3713..3883, 3779..3883		

Seq. No.	32201	Seq. ID	OJ991018_19.0124.C2
Gene No.	66659	Strand	-
Start	4401	End	4747
Name	OJ991018_19.0124.C2.o3.gs	Method	GENSCAN
Start	4401	End	4747
GI	none	Score	.9
Exons	4401..4520, 4603..4747		

Seq. No.	32202	Seq. ID	OJ991018_19.0124.C3
Gene No.	66660	Strand	+
Start	83	End	4277
Name	OJ991018_19.0124.C3.o1.np	Method	AAT/NAP
Start	83	End	1427

GI	6630699	Score	97
Exons	83..124, 1350..1427		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32202	Seq. ID	OJ991018_19.0124.C3
Gene No.	66660	Strand	+
Start	83	End	4277
Name	OJ991018_19.0124.C3.o1.gs	Method	GENSCAN
Start	86	End	1256
GI	none	Score	.88
Exons	86..201, 289..496, 915..1001, 1077..1256		

Seq. No.	32202	Seq. ID	OJ991018_19.0124.C3
Gene No.	66660	Strand	+
Start	83	End	4277
Name	OJ991018_19.0124.C3.o3.np	Method	AAT/NAP
Start	1297	End	4277
GI	6721512	Score	77
Exons	1297..1321, 2891..3003, 4241..4277		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32202	Seq. ID	OJ991018_19.0124.C3
Gene No.	66660	Strand	+
Start	83	End	4277
Name	OJ991018_19.0124.C3.o2.np	Method	AAT/NAP
Start	1564	End	3540
GI	6539570	Score	216
Exons	1564..1757, 1908..1974, 3523..3540		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	32202	Seq. ID	OJ991018_19.0124.C3
Gene No.	66661	Strand	-
Start	1339	End	3885
Name	OJ991018_19.0124.C3.o1.gp	Method	AAT/GAP
Start	1339	End	1770
GI	LIB3479-006-Q6-K1-B11	Score	718
Exons	1339..1770		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	32202	Seq. ID	OJ991018_19.0124.C3
Gene No.	66661	Strand	-
Start	1339	End	3885
Name	OJ991018_19.0124.C3.o2.gs	Method	GENSCAN
Start	1564	End	3885
GI	none	Score	.41
Exons	1564..1706, 2346..2480, 2867..2940, 3705..3885		

Seq. No.	32203	Seq. ID	OJ991018_19.0124.C4
Gene No.	66662	Strand	+
Start	164	End	801
Name	OJ991018_19.0124.C4.o1.gs	Method	GENSCAN
Start	164	End	801
GI	none	Score	.94
Exons	164..480, 705..742, 779..801		

Seq. No.	32203	Seq. ID	OJ991018_19.0124.C4
Gene No.	66663	Strand	-
Start	579	End	683
Name	OJ991018_19.0124.C4.o1.gp	Method	AAT/GAP
Start	579	End	683
GI	LIB3477-003-P1-K1-E9	Score	116
Exons	579..683		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32204	Seq. ID	OJ991018_19.0124.C5
Gene No.	66664	Strand	+
Start	244	End	2921
Name	OJ991018_19.0124.C5.o1.np	Method	AAT/NAP
Start	244	End	2921
GI	6498436	Score	408
Exons	244..448, 497..1003, 1103..1219, 1464..1651, 2904..2921		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	32204	Seq. ID	OJ991018_19.0124.C5
Gene No.	66664	Strand	+
Start	244	End	2921
Name	OJ991018_19.0124.C5.o1.gs	Method	GENSCAN
Start	286	End	1497
GI	none	Score	.75
Exons	286..448, 1313..1497		

Seq. No.	32204	Seq. ID	OJ991018_19.0124.C5
Gene No.	66665	Strand	-
Start	3497	End	7554
Name	OJ991018_19.0124.C5.o2.gs	Method	GENSCAN
Start	3497	End	7554
GI	none	Score	.61
Exons	3497..3579, 3820..3883, 5977..6090, 7125..7228, 7506..7554		

Seq. No.	32205	Seq. ID	OJ991018_19.0124.C6
Gene No.	66666	Strand	+
Start	1	End	2972
Name	OJ991018_19.0124.C6.o1.np	Method	AAT/NAP
Start	1	End	2972
GI	6728876	Score	65
Exons	1..41, 423..596, 2946..2972		
GI Descrip.	(AC008113) F12A21.12 [Arabidopsis thaliana]		

Seq. No.	32205	Seq. ID	OJ991018_19.0124.C6
Gene No.	66666	Strand	+
Start	1	End	2972
Name	OJ991018_19.0124.C6.o1.gs	Method	GENSCAN
Start	423	End	569
GI	none	Score	.94
Exons	423..569		

Seq. No.	32205	Seq. ID	OJ991018_19.0124.C6
Gene No.	66667	Strand	-
Start	761	End	2461

Name	OJ991018_19.0124.C6.o2.gs	Method	GENSCAN
Start	761	End	2461
GI	none	Score	.79
Exons	761..943, 2243..2461		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66668	Strand	+
Start	167	End	8927
Name	OJ991018_19.0124.C7.o1.gs	Method	GENSCAN
Start	167	End	3860
GI	none	Score	.47
Exons	167..406, 2424..2458, 3524..3860		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66668	Strand	+
Start	167	End	8927
Name	OJ991018_19.0124.C7.o1.np	Method	AAT/NAP
Start	3597	End	7545
GI	5902444	Score	305
Exons	3597..3868, 7434..7545		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66668	Strand	+
Start	167	End	8927
Name	OJ991018_19.0124.C7.o2.np	Method	AAT/NAP
Start	5642	End	8927
GI	6907089	Score	4922
Exons	5642..6902, 6997..8927		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66669	Strand	-
Start	9552	End	15199
Name	OJ991018_19.0124.C7.o3.np	Method	AAT/NAP
Start	9552	End	15199
GI	6498441	Score	6991
Exons	9552..9833, 9927..11324, 11496..11792, 11985..12411, 12587..12721, 12905..13278, 13342..13805, 14136..15199		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o5.tm	Method	TBLASTX:Maize
Start	9549	End	9692
GI	none	Score	129
Exons	9549..9692, 9553..9687		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o7.tw	Method	TBLASTX:Wheat
Start	9561	End	10163
GI	none	Score	74

Exons	9561..9686, 9565..9687, 9879..10163, 9880..10158		
Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o3.tw	Method	TBLASTX:Wheat
Start	10164	End	10545
GI	none	Score	172
Exons	10164..10544, 10195..10443, 10290..10535, 10489..10545		
Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o2.tm	Method	TBLASTX:Maize
Start	10339	End	10682
GI	none	Score	214
Exons	10339..10536, 10359..10682, 10372..10665		
Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o9.tw	Method	TBLASTX:Wheat
Start	10875	End	11187
GI	none	Score	67
Exons	10875..11135, 11011..11187		
Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o2.ts	Method	TBLASTX:Soybean
Start	10935	End	11501
GI	5666795	Score	68
Exons	10935..11135, 11190..11327, 11403..11501		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o4.tw	Method	TBLASTX:Wheat
Start	11190	End	14651
GI	none	Score	88
Exons	11190..11339, 11191..11328, 11373..11624, 11374..11559, 11427..11609, 14598..14651		
Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o8.tw	Method	TBLASTX:Wheat
Start	12196	End	12485
GI	none	Score	51
Exons	12196..12354, 12198..12485, 12391..12480		
Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o1.ts	Method	TBLASTX:Soybean
Start	12249	End	12621

GI	none	Score	73
Exons	12249..12479, 12475..12621, 12479..12604		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o3.tm	Method	TBLASTX:Maize
Start	12372	End	12756
GI	none	Score	60
Exons	12372..12566, 12391..12519, 12478..12756, 12479..12721, 12540..12722		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o5.tw	Method	TBLASTX:Wheat
Start	12496	End	12807
GI	none	Score	190
Exons	12496..12807, 12509..12799		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o1.tm	Method	TBLASTX:Maize
Start	12784	End	13140
GI	none	Score	125
Exons	12784..13089, 12784..13140, 12794..13105		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o1.tw	Method	TBLASTX:Wheat
Start	12808	End	13271
GI	none	Score	232
Exons	12808..13269, 12814..13269, 12815..13270, 12828..13271		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o3.ts	Method	TBLASTX:Soybean
Start	12865	End	13230
GI	none	Score	116
Exons	12865..12999, 13006..13230		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o2.tw	Method	TBLASTX:Wheat
Start	13435	End	13921
GI	none	Score	163
Exons	13435..13920, 13466..13726, 13748..13921		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o6.tw	Method	TBLASTX:Wheat
Start	14659	End	15051

GI	none	Score	92
Exons	14659..14916, 14693..14932, 14899..14997, 14900..14992, 15004..15051		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o4.tm	Method	TBLASTX:Maize
Start	14761	End	15046
GI	none	Score	92
Exons	14761..15009, 14762..15046		

Seq. No.	32206	Seq. ID	OJ991018_19.0124.C7
Gene No.	66670	Strand	-
Start	15937	End	16299
Name	OJ991018_19.0124.C7.o4.np	Method	AAT/NAP
Start	15937	End	16299
GI	5042454	Score	93
Exons	15937..15986, 16246..16299		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66671	Strand	+
Start	1	End	22027
Name	OJ991018_19.0124.C8.o1.np	Method	AAT/NAP
Start	1	End	9802
GI	5922631	Score	6256
Exons	1..328, 587..743, 4792..4833, 4879..5442, 5485..5643, 5770..6699, 7306..9802		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66671	Strand	+
Start	1	End	22027
Name	OJ991018_19.0124.C8.o3.np	Method	AAT/NAP
Start	1	End	22027
GI	6907090	Score	75
Exons	1..39, 3538..3766, 17377..17647, 21991..22027		
GI Descrip.	(AP001129) Similar to Oryza sativa root-specific RCc3 mRNA. (L27208)		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66671	Strand	+
Start	1	End	22027
Name	OJ991018_19.0124.C8.o1.gs	Method	GENSCAN
Start	44	End	554
GI	none	Score	.4
Exons	44..554		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66671	Strand	+

Start	1	End	22027
Name	OJ991018_19.0124.C8.o3.gs	Method	GENSCAN
Start	4780	End	9838
GI	none	Score	.59
Exons	4780..5086, 5149..5785, 5787..5886, 6009..6571, 6788..8161, 8323..8419, 8645..8896, 8981..9838		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66672	Strand	-
Start	1672	End	2104
Name	OJ991018_19.0124.C8.o1.gp	Method	AAT/GAP
Start	1672	End	2104
GI	94945_1.R1084	Score	558
Exons	1672..2104		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 1.0e-132 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66673	Strand	-
Start	3157	End	3405
Name	OJ991018_19.0124.C8.o2.gs	Method	GENSCAN
Start	3157	End	3405
GI	none	Score	.87
Exons	3157..3268, 3326..3405		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66674	Strand	-
Start	10254	End	19046
Name	OJ991018_19.0124.C8.o2.np	Method	AAT/NAP
Start	10149	End	13066
GI	6691716	Score	2501
Exons	10149..10597, 10670..10784, 10932..11033, 11108..11295, 11373..11535, 11611..11731, 11809..11982, 12174..13066		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66674	Strand	-
Start	10254	End	19046
Name	OJ991018_19.0124.C8.o4.gs	Method	GENSCAN
Start	10254	End	19046
GI	none	Score	.88
Exons	10254..10597, 10670..10760, 11108..11295, 11373..11768, 11809..12097, 12184..13105, 18904..19046		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o8.tw	Method	TBLASTX:Wheat
Start	5054	End	5456
GI	none	Score	282
Exons	5054..5323, 5055..5456		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043

Name	OJ991018_19.0124.C8.o7.tw	Method	TBLASTX:Wheat
Start	6039	End	6496
GI	none	Score	142
Exons	6039..6215, 6260..6349, 6264..6494, 6380..6496		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o2.tw	Method	TBLASTX:Wheat
Start	6681	End	7040
GI	none	Score	417
Exons	6681..7040, 6695..7039		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o2.ts	Method	TBLASTX:Soybean
Start	6756	End	7121
GI	none	Score	139
Exons	6756..6980, 6987..7121		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o3.tm	Method	TBLASTX:Maize
Start	6846	End	7202
GI	none	Score	366
Exons	6846..7202, 6887..7192		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o1.tw	Method	TBLASTX:Wheat
Start	7071	End	7490
GI	none	Score	494
Exons	7071..7490, 7071..7286, 7073..7489		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o6.tm	Method	TBLASTX:Maize
Start	7206	End	7433
GI	none	Score	188
Exons	7206..7433		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o1.ts	Method	TBLASTX:Soybean
Start	7335	End	7766
GI	none	Score	309
Exons	7335..7766, 7382..7525, 7404..7667, 7562..7732		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o2.tm	Method	TBLASTX:Maize

Start	7433	End	7877
GI	none	Score	286
Exons	7433..7693, 7434..7694, 7710..7853, 7749..7841, 7851..7877		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o3.tw	Method	TBLASTX:Wheat
Start	7535	End	7964
GI	none	Score	416
Exons	7535..7720, 7536..7964, 7829..7963		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o3.ts	Method	TBLASTX:Soybean
Start	7992	End	8379
GI	none	Score	88
Exons	7992..8096, 8000..8086, 8136..8186, 8188..8379, 8189..8377		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o6.tw	Method	TBLASTX:Wheat
Start	7998	End	8427
GI	none	Score	169
Exons	7998..8102, 8001..8186, 8006..8185, 8185..8427, 8186..8422		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o1.tm	Method	TBLASTX:Maize
Start	8705	End	9067
GI	none	Score	396
Exons	8705..9028, 8728..9015, 9020..9067		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o5.tw	Method	TBLASTX:Wheat
Start	8711	End	9099
GI	none	Score	366
Exons	8711..9097, 8734..9021, 8912..9097, 9052..9099		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o5.tm	Method	TBLASTX:Maize
Start	9169	End	9442
GI	none	Score	95
Exons	9169..9267, 9170..9268, 9259..9333, 9263..9343, 9344..9442		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o4.tw	Method	TBLASTX:Wheat
Start	9212	End	9826

GI	none	Score	276
Exons	9212..9490, 9232..9318, 9367..9474, 9545..9703, 9689..9826		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o4.tm	Method	TBLASTX:Maize
Start	9554	End	9787
GI	none	Score	147
Exons	9554..9706, 9646..9705, 9685..9786, 9686..9787		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o9.tw	Method	TBLASTX:Wheat
Start	12658	End	12948
GI	none	Score	203
Exons	12658..12948		

Seq. No.	32207	Seq. ID	OJ991018_19.0124.C8
Gene No.	66675	Strand	-
Start	20079	End	22043
Name	OJ991018_19.0124.C8.o5.gs	Method	GENSCAN
Start	20079	End	22043
GI	none	Score	.55
Exons	20079..20087, 20216..20329, 21826..22043		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66676	Strand	+
Start	910	End	7072
Name	OJ991018_19.0124.C9.o1.gs	Method	GENSCAN
Start	910	End	7072
GI	none	Score	.71
Exons	910..1753, 2096..2856, 2976..3428, 3600..3900, 4078..4962, 5257..5623, 6314..7072		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66676	Strand	+
Start	910	End	7072
Name	OJ991018_19.0124.C9.o1.np	Method	AAT/NAP
Start	957	End	7036
GI	5922631	Score	6469
Exons	957..1081, 1340..1584, 1843..2050, 2096..2658, 2701..2856, 2982..3908, 4515..7036		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o7.tw	Method	TBLASTX:Wheat
Start	2267	End	2669

GI	none	Score	269
Exons	2267..2533, 2268..2669		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o5.tw	Method	TBLASTX:Wheat
Start	3248	End	3925
GI	none	Score	147
Exons	3248..3424, 3250..3357, 3469..3705, 3473..3703, 3752..3925		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o6.tm	Method	TBLASTX:Maize
Start	3556	End	3733
GI	none	Score	184
Exons	3556..3702, 3557..3733, 3557..3703		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o1.tw	Method	TBLASTX:Wheat
Start	3925	End	4381
GI	none	Score	488
Exons	3925..4380, 3926..4381		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o2.ts	Method	TBLASTX:Soybean
Start	3965	End	4330
GI	none	Score	134
Exons	3965..4189, 4196..4330		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o2.tm	Method	TBLASTX:Maize
Start	4055	End	4411
GI	none	Score	368
Exons	4055..4411, 4094..4255, 4096..4401		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o3.tw	Method	TBLASTX:Wheat
Start	4496	End	4896
GI	none	Score	395
Exons	4496..4891, 4541..4879, 4555..4896, 4567..4890		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o1.ts	Method	TBLASTX:Soybean
Start	4544	End	4891
GI	none	Score	243

Exons	4544..4888, 4591..4734, 4613..4891		
Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o3.tm	Method	TBLASTX:Maize
Start	4642	End	5061
GI	none	Score	254
Exons	4642..4890, 4643..4891, 4918..5061		
Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o10.tw	Method	TBLASTX:Wheat
Start	4897	End	5073
GI	none	Score	188
Exons	4897..5073, 4897..5004		
Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o6.tw	Method	TBLASTX:Wheat
Start	5082	End	5491
GI	none	Score	201
Exons	5082..5282, 5083..5289, 5270..5314, 5345..5491, 5350..5490		
Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o8.tw	Method	TBLASTX:Wheat
Start	5492	End	5803
GI	none	Score	97
Exons	5492..5572, 5500..5568, 5573..5803		
Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o1.tm	Method	TBLASTX:Maize
Start	5939	End	6301
GI	none	Score	416
Exons	5939..6262, 5962..6249, 6254..6301		
Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o4.tw	Method	TBLASTX:Wheat
Start	5945	End	6331
GI	none	Score	373
Exons	5945..6331, 5968..6162, 6211..6255, 6212..6331		
Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o5.tm	Method	TBLASTX:Maize
Start	6403	End	6676
GI	none	Score	95
Exons	6403..6501, 6404..6502, 6492..6572, 6497..6577, 6578..6676		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o2.tw	Method	TBLASTX:Wheat
Start	6446	End	7060
GI	none	Score	362
Exons	6446..6937, 6466..6738, 6923..7060		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o4.tm	Method	TBLASTX:Maize
Start	6767	End	7021
GI	none	Score	157
Exons	6767..6940, 6814..6939, 6919..7020, 6920..7021		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o2.np	Method	AAT/NAP
Start	6985	End	9692
GI	6691716	Score	1916
Exons	6985..7404, 7555..7656, 7731..7918, 7996..8175, 8254..8354, 8432..8610, 8808..9692		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o2.gs	Method	GENSCAN
Start	7507	End	9731
GI	none	Score	.72
Exons	7507..7684, 7907..8007, 8171..8387, 8432..8652, 8808..8990, 9525..9731		

Seq. No.	32208	Seq. ID	OJ991018_19.0124.C9
Gene No.	66677	Strand	-
Start	6985	End	9731
Name	OJ991018_19.0124.C9.o9.tw	Method	TBLASTX:Wheat
Start	9282	End	9572
GI	none	Score	52
Exons	9282..9572, 9319..9387		

Seq. No.	32209	Seq. ID	OJ991018_19.0124.C10
Gene No.	66678	Strand	-
Start	1128	End	5465
Name	OJ991018_19.0124.C10.o1.gs	Method	GENSCAN
Start	1128	End	5465
GI	none	Score	.63
Exons	1128..1205, 2035..2264, 2949..3191, 3628..3719, 4118..4271, 5416..5465		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-

Start	1	End	1815
Name	OJ991018_19.0124.C11.o1.np	Method	AAT/NAP
Start	1	End	1815
GI	4388818	Score	1409
Exons	1..1815		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	418
GI	none	Score	91
Exons	1..168, 1..282, 5..283, 256..417, 326..418		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o1.tw	Method	TBLASTX:Wheat
Start	67	End	846
GI	none	Score	55
Exons	67..501, 86..250, 217..372, 311..445, 538..846, 542..844		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o1.gs	Method	GENSCAN
Start	333	End	729
GI	none	Score	.71
Exons	333..729		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o2.tm	Method	TBLASTX:Maize
Start	421	End	859
GI	none	Score	128
Exons	421..849, 554..859		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o1.ts	Method	TBLASTX:Soybean
Start	436	End	819
GI	none	Score	87
Exons	436..819, 474..731, 530..805		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o1.gp	Method	AAT/GAP
Start	448	End	690
GI	1621494	Score	434
Exons	448..690		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o2.tc	Method	TBLASTX:Cress
Start	652	End	849
GI	none	Score	80
Exons	652..849, 652..849		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o3.tw	Method	TBLASTX:Wheat
Start	847	End	1057
GI	none	Score	45
Exons	847..885, 848..904, 878..994, 908..997, 994..1056, 995..1057		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o2.gs	Method	GENSCAN
Start	955	End	1788
GI	none	Score	.98
Exons	955..1788		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o1.tc	Method	TBLASTX:Cress
Start	1246	End	1713
GI	none	Score	78
Exons	1246..1404, 1289..1405, 1420..1713		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o2.ts	Method	TBLASTX:Soybean
Start	1279	End	1731
GI	none	Score	106
Exons	1279..1404, 1402..1731, 1472..1702, 1477..1722		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o2.tw	Method	TBLASTX:Wheat
Start	1342	End	1815
GI	none	Score	85
Exons	1342..1404, 1421..1501, 1501..1815, 1541..1807		

Seq. No.	32210	Seq. ID	OJ991018_19.0124.C11
Gene No.	66679	Strand	-
Start	1	End	1815
Name	OJ991018_19.0124.C11.o3.tm	Method	TBLASTX:Maize
Start	1342	End	1746
GI	none	Score	133
Exons	1342..1407, 1423..1746, 1427..1744		

Seq. No.	32211	Seq. ID	OJ991018_19.0124.C12
Gene No.	66680	Strand	-
Start	1	End	521
Name	OJ991018_19.0124.C12.o1.np	Method	AAT/NAP
Start	1	End	521
GI	5091513	Score	846
Exons	1..521		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32211	Seq. ID	OJ991018_19.0124.C12
Gene No.	66680	Strand	-
Start	1	End	521
Name	OJ991018_19.0124.C12.o1.gs	Method	GENSCAN
Start	67	End	483
GI	none	Score	.61
Exons	67..246, 375..483		

Seq. No.	32212	Seq. ID	OJ991018_19.0124.C13
Gene No.	66681	Strand	-
Start	1	End	910
Name	OJ991018_19.0124.C13.o1.np	Method	AAT/NAP
Start	1	End	910
GI	130582	Score	352
Exons	1..910		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	32212	Seq. ID	OJ991018_19.0124.C13
Gene No.	66681	Strand	-
Start	1	End	910
Name	OJ991018_19.0124.C13.o1.gs	Method	GENSCAN
Start	210	End	903
GI	none	Score	.77
Exons	210..459, 594..787, 838..903		

Seq. No.	32212	Seq. ID	OJ991018_19.0124.C13
Gene No.	66681	Strand	-
Start	1	End	910
Name	OJ991018_19.0124.C13.o1.tw	Method	TBLASTX:Wheat
Start	237	End	661
GI	none	Score	42
Exons	237..299, 247..282, 318..401, 366..428, 376..417, 431..526, 437..529, 509..661, 519..641		

Seq. No.	32213	Seq. ID	OJ991108_10.0124.C2
Gene No.	66682	Strand	+
Start	1	End	663
Name	OJ991108_10.0124.C2.o1.np	Method	AAT/NAP
Start	1	End	663
GI	4680203	Score	587
Exons	1..663		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32213	Seq. ID	OJ991108_10.0124.C2
Gene No.	66682	Strand	+

Start	1	End	663
Name	OJ991108_10.0124.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	438
GI	none	Score	222
Exons	1..240, 45..236, 244..438		

Seq. No.	32213	Seq. ID	OJ991108_10.0124.C2
Gene No.	66682	Strand	+
Start	1	End	663
Name	OJ991108_10.0124.C2.o1.tc	Method	TBLASTX:Cress
Start	3	End	150
GI	none	Score	179
Exons	3..53, 4..150, 4..108, 75..149		

Seq. No.	32213	Seq. ID	OJ991108_10.0124.C2
Gene No.	66682	Strand	+
Start	1	End	663
Name	OJ991108_10.0124.C2.o1.tw	Method	TBLASTX:Wheat
Start	3	End	404
GI	none	Score	111
Exons	3..89, 4..96, 88..198, 97..213, 101..199, 105..275, 216..404, 244..399		

Seq. No.	32213	Seq. ID	OJ991108_10.0124.C2
Gene No.	66682	Strand	+
Start	1	End	663
Name	OJ991108_10.0124.C2.o1.ts	Method	TBLASTX:Soybean
Start	273	End	507
GI	none	Score	250
Exons	273..428, 274..507		

Seq. No.	32214	Seq. ID	OJ991108_10.0124.C4
Gene No.	66683	Strand	+
Start	422	End	7379
Name	OJ991108_10.0124.C4.o1.gs	Method	GENSCAN
Start	422	End	7379
GI	none	Score	.69
Exons	422..424, 1801..1936, 2804..2865, 3409..3490, 5134..5250, 5359..5474, 6481..6657, 6736..6896, 6979..7379		

Seq. No.	32214	Seq. ID	OJ991108_10.0124.C4
Gene No.	66683	Strand	+
Start	422	End	7379
Name	OJ991108_10.0124.C4.o1.np	Method	AAT/NAP
Start	1562	End	2906
GI	6630699	Score	71
Exons	1562..1593, 2739..2906		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32214	Seq. ID	OJ991108_10.0124.C4
Gene No.	66683	Strand	+
Start	422	End	7379
Name	OJ991108_10.0124.C4.o2.tm	Method	TBLASTX:Maize
Start	5858	End	6635
GI	none	Score	183

Exons	5858..6031, 5859..6083, 5860..6084, 6462..6626, 6478..6633, 6480..6635, 6508..6633		
Seq. No.	32214	Seq. ID	OJ991108_10.0124.C4
Gene No.	66683	Strand	+
Start	422	End	7379
Name	OJ991108_10.0124.C4.o1.tm	Method	TBLASTX:Maize
Start	6868	End	7289
GI	none	Score	61
Exons	6868..6906, 6870..6905, 6940..7287, 6977..7276, 6978..7289, 7065..7289		
Seq. No.	32215	Seq. ID	OJ991108_10.0124.C5
Gene No.	66684	Strand	+
Start	1	End	8478
Name	OJ991108_10.0124.C5.o1.gp	Method	AAT/GAP
Start	1	End	781
GI	5002953	Score	503
Exons	1..119, 599..781		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	32215	Seq. ID	OJ991108_10.0124.C5
Gene No.	66684	Strand	+
Start	1	End	8478
Name	OJ991108_10.0124.C5.o1.np	Method	AAT/NAP
Start	1	End	666
GI	4680203	Score	321
Exons	1..666		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	32215	Seq. ID	OJ991108_10.0124.C5
Gene No.	66684	Strand	+
Start	1	End	8478
Name	OJ991108_10.0124.C5.o1.tw	Method	TBLASTX:Wheat
Start	4	End	555
GI	none	Score	50
Exons	4..57, 61..252, 96..236, 241..288, 292..333, 295..333, 363..434, 364..462, 463..555		
Seq. No.	32215	Seq. ID	OJ991108_10.0124.C5
Gene No.	66684	Strand	+
Start	1	End	8478
Name	OJ991108_10.0124.C5.o1.gs	Method	GENSCAN
Start	22	End	7771
GI	none	Score	.73
Exons	22..610, 989..1042, 1592..1656, 1727..1843, 4546..4682, 4916..5504, 5583..6044, 6126..6958, 7041..7211, 7378..7549, 7655..7771		
Seq. No.	32215	Seq. ID	OJ991108_10.0124.C5
Gene No.	66684	Strand	+
Start	1	End	8478
Name	OJ991108_10.0124.C5.o2.np	Method	AAT/NAP
Start	1000	End	1869
GI	1076802	Score	242
Exons	1000..1869		

GI Descrip. extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]

Seq. No.	32215	Seq. ID	OJ991108_10.0124.C5
Gene No.	66684	Strand	+
Start	1	End	8478
Name	OJ991108_10.0124.C5.o3.np	Method	AAT/NAP
Start	4998	End	8478
GI	4680204	Score	201
Exons	4998..5508, 5605..5996, 6064..6392, 8434..8478		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32215	Seq. ID	OJ991108_10.0124.C5
Gene No.	66684	Strand	+
Start	1	End	8478
Name	OJ991108_10.0124.C5.o2.gp	Method	AAT/GAP
Start	7367	End	7887
GI	LIB3431-001-P1-N1-B5	Score	766
Exons	7367..7549, 7655..7887		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	32216	Seq. ID	OJ991108_10.0124.C6
Gene No.	66685	Strand	+
Start	240	End	2509
Name	OJ991108_10.0124.C6.o1.gs	Method	GENSCAN
Start	240	End	2509
GI	none	Score	.67
Exons	240..327, 705..1367, 1515..2509		

Seq. No.	32216	Seq. ID	OJ991108_10.0124.C6
Gene No.	66686	Strand	+
Start	5839	End	7793
Name	OJ991108_10.0124.C6.o2.np	Method	AAT/NAP
Start	5839	End	7793
GI	4680186	Score	194
Exons	5839..5870, 7565..7793		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32216	Seq. ID	OJ991108_10.0124.C6
Gene No.	66687	Strand	-
Start	3603	End	9448
Name	OJ991108_10.0124.C6.o2.gs	Method	GENSCAN
Start	3603	End	9303
GI	none	Score	.44
Exons	3603..3631, 3699..3783, 4333..4533, 4847..4953, 5977..6553, 7519..7651, 7675..7781, 8730..9303		

Seq. No.	32216	Seq. ID	OJ991108_10.0124.C6
Gene No.	66687	Strand	-
Start	3603	End	9448
Name	OJ991108_10.0124.C6.o3.np	Method	AAT/NAP
Start	8189	End	9448
GI	6907087	Score	473
Exons	8189..8290, 8840..9448		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a		

region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	32217	Seq. ID	OJ991108_10.0124.C8
Gene No.	66688	Strand	-
Start	65	End	1142
Name	OJ991108_10.0124.C8.o1.gs	Method	GENSCAN
Start	65	End	1142
GI	none	Score	.55
Exons	65..102, 107..174, 464..591, 1082..1142		

Seq. No.	32218	Seq. ID	OJ991108_10.0124.C9
Gene No.	66689	Strand	-
Start	1639	End	2115
Name	OJ991108_10.0124.C9.o1.gs	Method	GENSCAN
Start	1639	End	2115
GI	none	Score	.85
Exons	1639..2115		

Seq. No.	32219	Seq. ID	OJ991108_10.0124.C10
Gene No.	66690	Strand	+
Start	77	End	7087
Name	OJ991108_10.0124.C10.o1.gs	Method	GENSCAN
Start	77	End	4900
GI	none	Score	.57
Exons	77..276, 2133..2214, 2550..2602, 3214..3354, 3394..3609, 4180..4306, 4615..4752, 4797..4900		

Seq. No.	32219	Seq. ID	OJ991108_10.0124.C10
Gene No.	66690	Strand	+
Start	77	End	7087
Name	OJ991108_10.0124.C10.o1.np	Method	AAT/NAP
Start	3262	End	3725
GI	4895171	Score	409
Exons	3262..3725		
GI Descrip.	(AC007662) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32219	Seq. ID	OJ991108_10.0124.C10
Gene No.	66690	Strand	+
Start	77	End	7087
Name	OJ991108_10.0124.C10.o2.np	Method	AAT/NAP
Start	4306	End	7087
GI	2252851	Score	111
Exons	4306..4474, 4697..4866, 7063..7087		
GI Descrip.	(AF013294) No definition line found [Arabidopsis thaliana]		

Seq. No.	32219	Seq. ID	OJ991108_10.0124.C10
Gene No.	66691	Strand	+
Start	9563	End	12241
Name	OJ991108_10.0124.C10.o3.gs	Method	GENSCAN
Start	9563	End	12241
GI	none	Score	.89
Exons	9563..9742, 9798..9938, 12107..12241		

Seq. No.	32219	Seq. ID	OJ991108_10.0124.C10
Gene No.	66691	Strand	+

Start	9563	End	12241
Name	OJ991108_10.0124.C10.o1.gp	Method	AAT/GAP
Start	11015	End	11396
GI	uC-osflcyp033a04b1	Score	627
Exons	11015..11396		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32219	Seq. ID	OJ991108_10.0124.C10
Gene No.	66692	Strand	-
Start	4609	End	14870
Name	OJ991108_10.0124.C10.o1.tw	Method	TBLASTX:Wheat
Start	3240	End	3603
GI	none	Score	174
Exons	3240..3461, 3271..3474, 3325..3477, 3493..3603, 3504..3569		

Seq. No.	32219	Seq. ID	OJ991108_10.0124.C10
Gene No.	66692	Strand	-
Start	4609	End	14870
Name	OJ991108_10.0124.C10.o1.tm	Method	TBLASTX:Maize
Start	3298	End	3719
GI	none	Score	413
Exons	3298..3609, 3299..3574, 3315..3575, 3325..3597, 3606..3719, 3608..3715		

Seq. No.	32219	Seq. ID	OJ991108_10.0124.C10
Gene No.	66692	Strand	-
Start	4609	End	14870
Name	OJ991108_10.0124.C10.o1.ts	Method	TBLASTX:Soybean
Start	3319	End	3716
GI	none	Score	301
Exons	3319..3594, 3321..3572, 3328..3591, 3611..3712, 3612..3716		

Seq. No.	32219	Seq. ID	OJ991108_10.0124.C10
Gene No.	66692	Strand	-
Start	4609	End	14870
Name	OJ991108_10.0124.C10.o4.np	Method	AAT/NAP
Start	4609	End	14870
GI	5852180	Score	488
Exons	4609..4656, 9636..10092, 10144..10262, 11245..11298, 14845..14870		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32219	Seq. ID	OJ991108_10.0124.C10
Gene No.	66692	Strand	-
Start	4609	End	14870
Name	OJ991108_10.0124.C10.o3.np	Method	AAT/NAP
Start	5673	End	6403
GI	4680339	Score	107
Exons	5673..5717, 6164..6403		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	32220	Seq. ID	OJ991108_10.0124.C11
Gene No.	66693	Strand	-
Start	1	End	153
Name	OJ991108_10.0124.C11.o1.gp	Method	AAT/GAP
Start	1	End	153

GI	2428185	Score	286
Exons	1..153		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	32221	Seq. ID	OJ991108_10.0124.C12
Gene No.	66694	Strand	+
Start	470	End	534
Name	OJ991108_10.0124.C12.o1.gs	Method	GENSCAN
Start	470	End	534
GI	none	Score	.78
Exons	470..534		

Seq. No.	32222	Seq. ID	OJ991108_10.0124.C13
Gene No.	66695	Strand	+
Start	1	End	730
Name	OJ991108_10.0124.C13.o1.np	Method	AAT/NAP
Start	1	End	727
GI	5902445	Score	614
Exons	1..727		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32222	Seq. ID	OJ991108_10.0124.C13
Gene No.	66695	Strand	+
Start	1	End	730
Name	OJ991108_10.0124.C13.o1.gs	Method	GENSCAN
Start	287	End	730
GI	none	Score	.82
Exons	287..730		

Seq. No.	32222	Seq. ID	OJ991108_10.0124.C13
Gene No.	66696	Strand	+
Start	6684	End	7075
Name	OJ991108_10.0124.C13.o3.gs	Method	GENSCAN
Start	6684	End	7075
GI	none	Score	.53
Exons	6684..6823, 6829..7075		

Seq. No.	32222	Seq. ID	OJ991108_10.0124.C13
Gene No.	66697	Strand	-
Start	860	End	6946
Name	OJ991108_10.0124.C13.o2.gs	Method	GENSCAN
Start	860	End	5256
GI	none	Score	.4
Exons	860..915, 1217..1344, 1443..1710, 1856..2001, 2129..2562, 2589..2714, 3100..3240, 3353..3477, 3645..4189, 4491..4576, 4592..4787, 5132..5256		

Seq. No.	32222	Seq. ID	OJ991108_10.0124.C13
Gene No.	66697	Strand	-
Start	860	End	6946
Name	OJ991108_10.0124.C13.o2.np	Method	AAT/NAP
Start	2128	End	3744
GI	6721561	Score	885
Exons	2128..2889, 2971..3029, 3100..3284, 3674..3744		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	32222	Seq. ID	OJ991108_10.0124.C13
Gene No.	66697	Strand	-
Start	860	End	6946
Name	OJ991108_10.0124.C13.o4.np	Method	AAT/NAP
Start	3394	End	6946
GI	6721512	Score	64
Exons	3394..3558, 4609..4714, 5004..5104, 5132..5266, 6847..6946		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32222	Seq. ID	OJ991108_10.0124.C13
Gene No.	66698	Strand	-
Start	9538	End	10930
Name	OJ991108_10.0124.C13.o1.tw	Method	TBLASTX:Wheat
Start	140	End	718
GI	none	Score	337
Exons	140..562, 259..366, 590..718, 592..717		

Seq. No.	32222	Seq. ID	OJ991108_10.0124.C13
Gene No.	66698	Strand	-
Start	9538	End	10930
Name	OJ991108_10.0124.C13.o1.tm	Method	TBLASTX:Maize
Start	332	End	595
GI	none	Score	193
Exons	332..595		

Seq. No.	32222	Seq. ID	OJ991108_10.0124.C13
Gene No.	66698	Strand	-
Start	9538	End	10930
Name	OJ991108_10.0124.C13.o4.gs	Method	GENSCAN
Start	9538	End	10930
GI	none	Score	.57
Exons	9538..9694, 9977..10325, 10338..10930		

Seq. No.	32223	Seq. ID	OJ991108_10.0124.C16
Gene No.	66699	Strand	+
Start	67	End	187
Name	OJ991108_10.0124.C16.o1.gs	Method	GENSCAN
Start	67	End	187
GI	none	Score	.5
Exons	67..187		

Seq. No.	32224	Seq. ID	OJ991108_10.0124.C17
Gene No.	66700	Strand	+
Start	1	End	436
Name	OJ991108_10.0124.C17.o1.np	Method	AAT/NAP
Start	1	End	436
GI	6063554	Score	131
Exons	1..51, 262..436		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32224	Seq. ID	OJ991108_10.0124.C17

Gene No.	66701	Strand	+
Start	8476	End	8861
Name	OJ991108_10.0124.C17.o2.gp	Method	AAT/GAP
Start	8476	End	8861
GI	uC-osf1cyp033a04b1	Score	645
Exons	8476..8861		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32224	Seq. ID	OJ991108_10.0124.C17
Gene No.	66702	Strand	-
Start	1	End	10169
Name	OJ991108_10.0124.C17.o2.np	Method	AAT/NAP
Start	1	End	10169
GI	5852180	Score	635
Exons	1..305, 2675..2846, 6140..6265, 6976..7030, 7195..7551, 7603..7712, 8702..8772, 10094..10169		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32224	Seq. ID	OJ991108_10.0124.C17
Gene No.	66702	Strand	-
Start	1	End	10169
Name	OJ991108_10.0124.C17.o2.gs	Method	GENSCAN
Start	4968	End	7737
GI	none	Score	.63
Exons	4968..5133, 5365..5462, 6090..6268, 6760..7127, 7142..7737		

Seq. No.	32224	Seq. ID	OJ991108_10.0124.C17
Gene No.	66702	Strand	-
Start	1	End	10169
Name	OJ991108_10.0124.C17.o3.gs	Method	GENSCAN
Start	9326	End	9979
GI	none	Score	.57
Exons	9326..9361, 9499..9771, 9867..9979		

Seq. No.	32225	Seq. ID	OJ991108_10.0124.C18
Gene No.	66703	Strand	+
Start	861	End	1117
Name	OJ991108_10.0124.C18.o1.gp	Method	AAT/GAP
Start	861	End	1117
GI	61605_3.R1084	Score	415
Exons	861..1117		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	32225	Seq. ID	OJ991108_10.0124.C18
Gene No.	66704	Strand	-
Start	1485	End	4564
Name	OJ991108_10.0124.C18.o1.np	Method	AAT/NAP
Start	1485	End	4564
GI	6063554	Score	444
Exons	1485..1659, 2295..2322, 2661..2903, 3004..3269, 3357..3429, 4516..4564		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32225	Seq. ID	OJ991108_10.0124.C18
Gene No.	66704	Strand	-
Start	1485	End	4564
Name	OJ991108_10.0124.C18.o2.gp	Method	AAT/GAP
Start	2092	End	2828
GI	101153_1.R1084	Score	684
Exons	2092..2322, 2661..2828		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66705	Strand	+
Start	4755	End	14310
Name	OJ991108_10.0124.C19.o1.np	Method	AAT/NAP
Start	4755	End	13637
GI	5852180	Score	650
Exons	4755..4820, 5811..5929, 5981..6391, 7097..7133, 13607..13637		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66705	Strand	+
Start	4755	End	14310
Name	OJ991108_10.0124.C19.o2.np	Method	AAT/NAP
Start	9302	End	14310
GI	5852180	Score	479
Exons	9302..9348, 10239..10292, 11271..11396, 11425..11827, 14286..14310		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66705	Strand	+
Start	4755	End	14310
Name	OJ991108_10.0124.C19.o3.gs	Method	GENSCAN
Start	11481	End	12419
GI	none	Score	.72
Exons	11481..11859, 12412..12419		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66706	Strand	-
Start	2146	End	9437
Name	OJ991108_10.0124.C19.o2.gs	Method	GENSCAN
Start	2146	End	9437
GI	none	Score	.73
Exons	2146..3417, 5833..6674, 7277..7551, 8005..8113, 8375..8560, 9392..9437		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66706	Strand	-
Start	2146	End	9437
Name	OJ991108_10.0124.C19.o1.gp	Method	AAT/GAP
Start	4669	End	5053
GI	uC-osflcyp033a04b1	Score	612
Exons	4669..5053		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19

Gene No.	66707	Strand	-
Start	10141	End	10522
Name	OJ991108_10.0124.C19.o2.gp	Method	AAT/GAP
Start	10141	End	10522
GI	uC-osflcyp033a04b1	Score	659
Exons	10141..10522		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o1.tm	Method	TBLASTX:Maize
Start	13322	End	14016
GI	none	Score	577
Exons	13322..14014, 13349..13453, 13354..14016		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o2.ts	Method	TBLASTX:Soybean
Start	13342	End	14007
GI	none	Score	69
Exons	13342..13590, 13415..13582, 13624..13995, 13624..14007, 13631..14002		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o3.np	Method	AAT/NAP
Start	13348	End	16451
GI	4416302	Score	3317
Exons	13348..16451		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o1.tc	Method	TBLASTX:Cress
Start	13369	End	13827
GI	none	Score	74
Exons	13369..13614, 13421..13588, 13600..13734, 13738..13827		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o5.tw	Method	TBLASTX:Wheat
Start	13402	End	13782
GI	none	Score	51
Exons	13402..13590, 13415..13534, 13609..13782, 13613..13714		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o3.tw	Method	TBLASTX:Wheat
Start	13792	End	14208
GI	none	Score	90

Exons	13792..14028, 14041..14208		
Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o6.tm	Method	TBLASTX:Maize
Start	14017	End	14209
GI	none	Score	181
Exons	14017..14208, 14018..14209		
Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o3.tm	Method	TBLASTX:Maize
Start	14250	End	14718
GI	none	Score	339
Exons	14250..14468, 14251..14718, 14252..14716, 14599..14718		
Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o1.ts	Method	TBLASTX:Soybean
Start	14378	End	14991
GI	5509260	Score	391
Exons	14378..14896, 14378..14464, 14383..14991, 14389..14898		
GI Descrip.	-		
Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o1.tw	Method	TBLASTX:Wheat
Start	14389	End	14862
GI	none	Score	88
Exons	14389..14562, 14392..14739, 14393..14731, 14396..14749, 14605..14733, 14740..14766, 14773..14862		
Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o3.tc	Method	TBLASTX:Cress
Start	14497	End	14770
GI	none	Score	71
Exons	14497..14769, 14626..14724, 14630..14770		
Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o5.tm	Method	TBLASTX:Maize
Start	14719	End	15006
GI	none	Score	63
Exons	14719..14769, 14720..14767, 14723..14986, 14758..15006		
Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o2.tm	Method	TBLASTX:Maize
Start	15007	End	15867

GI	none	Score	362
Exons	15007..15165, 15178..15852, 15218..15793, 15799..15867, 15800..15841		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o4.tw	Method	TBLASTX:Wheat
Start	15103	End	15444
GI	none	Score	49
Exons	15103..15192, 15113..15166, 15207..15350, 15214..15351, 15214..15360, 15367..15444		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o3.ts	Method	TBLASTX:Soybean
Start	15226	End	15687
GI	none	Score	43
Exons	15226..15687, 15278..15430, 15490..15612, 15497..15658		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o2.tc	Method	TBLASTX:Cress
Start	15229	End	15645
GI	none	Score	200
Exons	15229..15645		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o2.tw	Method	TBLASTX:Wheat
Start	15538	End	16102
GI	none	Score	136
Exons	15538..15816, 15539..15775, 15856..16101, 15872..16102		

Seq. No.	32226	Seq. ID	OJ991108_10.0124.C19
Gene No.	66708	Strand	-
Start	13348	End	16451
Name	OJ991108_10.0124.C19.o4.tm	Method	TBLASTX:Maize
Start	15872	End	16264
GI	none	Score	167
Exons	15872..16144, 15874..16140, 15923..16144, 15939..16145, 16133..16264, 16135..16263		

Seq. No.	32227	Seq. ID	OJ991108_10.0124.C20
Gene No.	66709	Strand	+
Start	1	End	3866
Name	OJ991108_10.0124.C20.o2.np	Method	AAT/NAP
Start	1	End	3866
GI	6721516	Score	315
Exons	1..37, 1714..1765, 2181..2520, 3841..3866		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32227	Seq. ID	OJ991108_10.0124.C20
Gene No.	66710	Strand	+

Start	3835	End	14590
Name	OJ991108_10.0124.C20.o3.np	Method	AAT/NAP
Start	3485	End	8724
GI	4680204	Score	213
Exons	3485..3524, 4999..5583, 8647..8724		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32227	Seq. ID	OJ991108_10.0124.C20
Gene No.	66710	Strand	+
Start	3835	End	14590
Name	OJ991108_10.0124.C20.o2.gs	Method	GENSCAN
Start	3835	End	14590
GI	none	Score	.46
Exons	3835..3983, 4537..4678, 4923..5291, 5325..5864, 5958..6250, 6702..6826, 7028..7150, 8011..8210, 8221..8488, 8527..8669, 8716..8811, 9262..9375, 9902..10044, 10499..10574, 10662..10853, 13987..14590		

Seq. No.	32227	Seq. ID	OJ991108_10.0124.C20
Gene No.	66710	Strand	+
Start	3835	End	14590
Name	OJ991108_10.0124.C20.o1.gp	Method	AAT/GAP
Start	6325	End	6515
GI	LIB3433-026-P1-K1-C1	Score	254
Exons	6325..6515		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32227	Seq. ID	OJ991108_10.0124.C20
Gene No.	66711	Strand	-
Start	7607	End	8512
Name	OJ991108_10.0124.C20.o4.np	Method	AAT/NAP
Start	7607	End	8512
GI	5852178	Score	496
Exons	7607..7701, 8065..8177, 8209..8512		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	32227	Seq. ID	OJ991108_10.0124.C20
Gene No.	66712	Strand	
Start	13986	End	14304
Name	OJ991108_10.0124.C20.o1.tm	Method	TBLASTX:Maize
Start	13986	End	14304
GI	none	Score	163
Exons	13986..14192, 13987..14202, 14214..14297, 14215..14304		

Seq. No.	32228	Seq. ID	OJ991108_10.0124.C21
Gene No.	66713	Strand	+
Start	48	End	358
Name	OJ991108_10.0124.C21.o1.gs	Method	GENSCAN
Start	48	End	358
GI	none	Score	.93
Exons	48..358		

Seq. No.	32228	Seq. ID	OJ991108_10.0124.C21
Gene No.	66714	Strand	-
Start	110	End	446
Name	OJ991108_10.0124.C21.o1.gp	Method	AAT/GAP

Start	110	End	446
GI	none	Score	650
Exons	110..446		

Seq. No.	32228	Seq. ID	OJ991108_10.0124.C21
Gene No.	66715	Strand	-
Start	1546	End	1799
Name	OJ991108_10.0124.C21.o2.gs	Method	GENSCAN
Start	1546	End	1799
GI	none	Score	.68
Exons	1546..1636, 1726..1799		

Seq. No.	32229	Seq. ID	OJ991108_10.0124.C22
Gene No.	66716	Strand	+
Start	1308	End	2534
Name	OJ991108_10.0124.C22.o1.gs	Method	GENSCAN
Start	1308	End	2534
GI	none	Score	.65
Exons	1308..1793, 1812..2534		

Seq. No.	32229	Seq. ID	OJ991108_10.0124.C22
Gene No.	66717	Strand	-
Start	4853	End	5654
Name	OJ991108_10.0124.C22.o1.gp	Method	AAT/GAP
Start	4582	End	4963
GI	LIB3432-012-P1-K1-H3	Score	701
Exons	4582..4963		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	32229	Seq. ID	OJ991108_10.0124.C22
Gene No.	66717	Strand	-
Start	4853	End	5654
Name	OJ991108_10.0124.C22.o2.gs	Method	GENSCAN
Start	4853	End	5654
GI	none	Score	.77
Exons	4853..4994, 5128..5271, 5353..5654		

Seq. No.	32230	Seq. ID	OJ991108_10.0124.C23
Gene No.	66718	Strand	+
Start	1310	End	1732
Name	OJ991108_10.0124.C23.o1.gs	Method	GENSCAN
Start	1310	End	1732
GI	none	Score	.9
Exons	1310..1732		

Seq. No.	32230	Seq. ID	OJ991108_10.0124.C23
Gene No.	66719	Strand	-
Start	3931	End	4248
Name	OJ991108_10.0124.C23.o2.gs	Method	GENSCAN
Start	3931	End	4248
GI	none	Score	.58
Exons	3931..4248		

Seq. No.	32231	Seq. ID	OJ991018_18.0125.C2
Gene No.	66720	Strand	-
Start	1	End	479

Name	OJ991018_18.0125.C2.o1.np	Method	AAT/NAP
Start	1	End	479
GI	1345808	Score	146
Exons	1..192, 384..479		
GI Descrip.	CHALCONE SYNTHASE (NARINGENIN-CHALCONE SYNTHASE) gi|1067125|emb|CAA91923| (Z67982) chalcone synthase [Dianthus caryophyllus]		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66721	Strand	+
Start	14212	End	16552
Name	OJ991018_18.0125.C3.o4.gs	Method	GENSCAN
Start	14212	End	16552
GI	none	Score	.5
Exons	14212..14295, 16205..16552		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66722	Strand	+
Start	18356	End	20995
Name	OJ991018_18.0125.C3.o4.np	Method	AAT/NAP
Start	18356	End	20995
GI	4539658	Score	110
Exons	18356..18631, 20975..20995		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66723	Strand	+
Start	26119	End	27183
Name	OJ991018_18.0125.C3.o6.gs	Method	GENSCAN
Start	26119	End	27183
GI	none	Score	.4
Exons	26119..26204, 26400..26516, 27015..27183		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66724	Strand	+
Start	29368	End	29980
Name	OJ991018_18.0125.C3.o2.gp	Method	AAT/GAP
Start	29368	End	29980
GI	uC-osf1cyp039h04b1	Score	303
Exons	29368..29539, 29918..29980		
GI Descrip.	'1617274/emb|CAA96522| 1.0e-09 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66725	Strand	+
Start	47387	End	48710
Name	OJ991018_18.0125.C3.o9.gs	Method	GENSCAN
Start	47387	End	48710
GI	none	Score	.58
Exons	47387..47396, 48568..48710		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66726	Strand	+
Start	49908	End	52524
Name	OJ991018_18.0125.C3.o10.gs	Method	GENSCAN
Start	49908	End	52524

GI	none	Score	.79
Exons	49908..49930, 51021..51335, 52280..52328, 52339..52524		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66727	Strand	+
Start	53718	End	54047
Name	OJ991018_18.0125.C3.o11.gs	Method	GENSCAN
Start	53718	End	54047
GI	none	Score	.92
Exons	53718..53807, 53832..54047		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66728	Strand	+
Start	56588	End	56741
Name	OJ991018_18.0125.C3.o4.gp	Method	AAT/GAP
Start	56588	End	56741
GI	2338_1.R1084	Score	79
Exons	56588..56608, 56673..56741		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66729	Strand	+
Start	61580	End	70081
Name	OJ991018_18.0125.C3.o13.gs	Method	GENSCAN
Start	61580	End	70081
GI	none	Score	.76
Exons	61580..61850, 63857..63987, 64022..64205, 64621..64733, 64789..65007, 65749..65913, 67113..67235, 67904..68067, 68100..68296, 68832..68911, 69362..70081		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66729	Strand	+
Start	61580	End	70081
Name	OJ991018_18.0125.C3.o5.gp	Method	AAT/GAP
Start	64270	End	66286
GI	13899_1.R1084	Score	1607
Exons	64270..64397, 64789..65007, 65749..66286		
GI Descrip.	'4455351/emb|CAB36761.1| 5.0e-63 (AL035524) putative protein [Arabidopsis thaliana]'		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66729	Strand	+
Start	61580	End	70081
Name	OJ991018_18.0125.C3.o6.np	Method	AAT/NAP
Start	64275	End	65955
GI	4455351	Score	561
Exons	64275..64397, 64789..65011, 65726..65955		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66730	Strand	+
Start	71198	End	77133
Name	OJ991018_18.0125.C3.o14.gs	Method	GENSCAN
Start	71198	End	77133
GI	none	Score	.64
Exons	71198..71257, 71663..71772, 73357..73639, 73767..74013,		

74983..75104, 75149..75269, 77099..77133

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66731	Strand	-
Start	459	End	1391
Name	OJ991018_18.0125.C3.o1.gs	Method	GENSCAN
Start	459	End	1391
GI	none	Score	.79
Exons	459..554, 1168..1391		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66732	Strand	-
Start	4032	End	7779
Name	OJ991018_18.0125.C3.o2.gs	Method	GENSCAN
Start	4032	End	7779
GI	none	Score	.69
Exons	4032..4130, 4233..4337, 4552..4650, 5598..5933, 5999..6254, 6333..6555, 7584..7779		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66732	Strand	-
Start	4032	End	7779
Name	OJ991018_18.0125.C3.o1.np	Method	AAT/NAP
Start	5667	End	7779
GI	1345801	Score	768
Exons	5667..6555, 7584..7779		
GI Descrip.	CHALCONE SYNTHASE B (NARINGENIN-CHALCONE SYNTHASE B) (CHS-B) gi|687557 (U15942) chalcone synthase [Ipomoea cordatotriloba]		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66733	Strand	-
Start	10274	End	13259
Name	OJ991018_18.0125.C3.o3.gs	Method	GENSCAN
Start	10274	End	13259
GI	none	Score	.57
Exons	10274..10466, 10805..10991, 11861..12103, 12236..12525, 12604..12814, 13010..13259		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66733	Strand	-
Start	10274	End	13259
Name	OJ991018_18.0125.C3.o2.np	Method	AAT/NAP
Start	11841	End	13229
GI	2598293	Score	872
Exons	11841..12826, 13064..13229		
GI Descrip.	(AJ002526) chalcone synthase [Digitalis lanata]		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66734	Strand	-
Start	15649	End	23392
Name	OJ991018_18.0125.C3.o3.np	Method	AAT/NAP
Start	15649	End	21784
GI	4680203	Score	457
Exons	15649..15752, 16921..17735, 18013..18248, 19288..19332, 19590..19777, 21724..21784		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66734	Strand	-
Start	15649	End	23392
Name	OJ991018_18.0125.C3.o5.gs	Method	GENSCAN
Start	16783	End	23392
GI	none	Score	.68
Exons	16783..16986, 18277..18462, 18522..18551, 20033..20320, 21219..22177, 23197..23392		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66734	Strand	-
Start	15649	End	23392
Name	OJ991018_18.0125.C3.o1.gp	Method	AAT/GAP
Start	21066	End	21350
GI	3106823	Score	558
Exons	21066..21350		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66735	Strand	-
Start	29667	End	31975
Name	OJ991018_18.0125.C3.o7.gs	Method	GENSCAN
Start	29667	End	31975
GI	none	Score	.8
Exons	29667..29710, 30068..30195, 31417..31531, 31843..31975		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66736	Strand	-
Start	33798	End	43258
Name	OJ991018_18.0125.C3.o5.np	Method	AAT/NAP
Start	33792	End	35169
GI	5921766	Score	955
Exons	33792..34780, 34989..35169		
GI Descrip.	CHALCONE SYNTHASE 8 (NARINGENIN-CHALCONE SYNTHASE 8) gi|2253119 (AF007099) chalcone synthase [Bromheadia finlaysoniana]		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66736	Strand	-
Start	33798	End	43258
Name	OJ991018_18.0125.C3.o8.gs	Method	GENSCAN
Start	33798	End	43258
GI	none	Score	.6
Exons	33798..34780, 34989..35218, 37978..38205, 39007..39086, 40897..40991, 41851..41991, 42497..42730, 42827..43202, 43220..43258		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66737	Strand	-
Start	52693	End	59468
Name	OJ991018_18.0125.C3.o3.gp	Method	AAT/GAP
Start	52693	End	56043
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	52693..52745, 55991..56043		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >qi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3

Gene No.	66737	Strand	-
Start	52693	End	59468
Name	OJ991018_18.0125.C3.o12.gs	Method	GENSCAN
Start	54242	End	59468
GI	none	Score	.59
Exons	54242..54381, 54698..54806, 57217..57311, 57593..57682, 58108..58186, 59376..59468		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o1.tc	Method	TBLASTX:Cress
Start	5586	End	35172
GI	none	Score	55
Exons	5586..5648, 5587..5649, 5667..5858, 5728..5856, 5856..6050, 5863..6054, 6058..6117, 6140..6583, 6240..6470, 7582..7767, 7583..7726, 11856..11918, 11857..11919, 11937..12122, 11998..12126, 12126..12317, 12330..12389, 12345..12389, 12391..12741, 12396..12812, 12429..12806, 13062..13247, 13063..13206, 21207..21272, 21208..21267, 21288..21479, 21349..21477, 21477..21668, 21738..22205, 21745..22173, 23195..23344, 23196..23339, 33810..33872, 33811..33870, 33891..34082, 33952..34080, 34090..34278, 34095..34274, 34282..34341, 34341..34775, 34465..34695, 34987..35172, 34988..35131		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o1.tm	Method	TBLASTX:Maize
Start	5586	End	35175
GI	none	Score	116
Exons	5586..5648, 5617..5856, 5667..5858, 5845..6117, 5856..6119, 6140..6583, 6187..6255, 6261..6494, 7582..7731, 7583..7726, 11856..11918, 11937..12122, 11998..12126, 12115..12345, 12126..12389, 12396..12812, 12397..12765, 13062..13211, 13063..13206, 21207..21311, 21288..21479, 21349..21477, 21466..21738, 21477..21740, 21738..22205, 21748..22173, 23195..23344, 23196..23339, 33810..33914, 33891..34082, 33952..34080, 34095..34343, 34096..34341, 34341..34775, 34412..34480, 34486..34719, 34987..35175, 34988..35131		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o1.ts	Method	TBLASTX:Soybean
Start	5586	End	35136
GI	none	Score	50
Exons	5586..5648, 5596..5649, 5667..5858, 5695..5856, 5845..6117, 5856..6119, 6140..6583, 6240..6494, 7576..7731, 11856..11918, 11866..11919, 11937..12122, 11998..12126, 12115..12342, 12126..12389, 12396..12812, 12429..12521, 12511..12765, 12612..12812, 13056..13211, 21207..21311, 21217..21267, 21288..21479, 21349..21477, 21466..21738, 21477..21740, 21738..22205, 21862..22170, 23190..23333, 23192..23344, 33810..33914, 33820..33870, 33891..34082, 33952..34080, 34090..34341, 34095..34343, 34341..34775, 34348..34719,		

34984..35136, 34988..35125

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o2.tw	Method	TBLASTX:Wheat
Start	17108	End	18123
GI	none	Score	72
Exons	17108..17212, 17201..17308, 17407..17583, 17598..17756, 17599..17748, 17722..18009, 18055..18123		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o4.tm	Method	TBLASTX:Maize
Start	17764	End	18147
GI	none	Score	234
Exons	17764..18075, 17765..18103, 18079..18147		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o4.ts	Method	TBLASTX:Soybean
Start	31054	End	31437
GI	none	Score	130
Exons	31054..31173, 31177..31437, 31178..31426, 31309..31431		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o5.tm	Method	TBLASTX:Maize
Start	31054	End	31440
GI	none	Score	105
Exons	31054..31242, 31054..31272, 31055..31423, 31122..31373, 31297..31440		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o3.tw	Method	TBLASTX:Wheat
Start	31084	End	31440
GI	none	Score	82
Exons	31084..31272, 31106..31264, 31291..31440, 31295..31438		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o3.tm	Method	TBLASTX:Maize
Start	31464	End	31957
GI	none	Score	277
Exons	31464..31523, 31521..31835, 31525..31791, 31525..31953, 31544..31957, 31844..31957		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o1.tw	Method	TBLASTX:Wheat

Start	31608	End	32359
GI	none	Score	89
Exons	31608..31826, 31853..32023, 32069..32230, 32231..32359		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o3.ts	Method	TBLASTX:Soybean
Start	31973	End	32359
GI	none	Score	128
Exons	31973..32233, 31974..32297, 32231..32359, 32232..32348		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o2.ts	Method	TBLASTX:Soybean
Start	64313	End	65964
GI	none	Score	108
Exons	64313..64399, 64326..64406, 64789..64863, 64806..64844, 64863..65006, 64864..65007, 65735..65842, 65736..65891, 65743..65964, 65748..65933		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o2.tm	Method	TBLASTX:Maize
Start	64323	End	66084
GI	none	Score	123
Exons	64323..64400, 64331..64429, 64789..65007, 64806..65000, 65736..65894, 65743..65964, 65746..65940, 65748..65957, 65996..66046, 66000..66047, 66036..66083, 66046..66084		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o2.tc	Method	TBLASTX:Cress
Start	64326	End	65946
GI	none	Score	89
Exons	64326..64406, 64789..64863, 64806..64862, 64863..64988, 64864..64989, 64984..65007, 65743..65808, 65800..65895, 65802..65894, 65802..65945, 65803..65946		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o7.np	Method	AAT/NAP
Start	68203	End	73489
GI	5305335	Score	142
Exons	68203..68371, 69415..69603, 73251..73489		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	32232	Seq. ID	OJ991018_18.0125.C3
Gene No.	66738	Strand	-
Start	68203	End	76931
Name	OJ991018_18.0125.C3.o8.np	Method	AAT/NAP
Start	72638	End	76931

GI	1076414	Score	37
Exons	72638..72675, 73901..74036, 76910..76931		
GI Descrip.	subtilisin-like proteinase (EC 3.4.21.-) - Arabidopsis thaliana (fragment) gi|757534|emb|CAA59963| (X85974) subtilisin-like protease [Arabidopsis thaliana]		

Seq. No.	32233	Seq. ID	OJ991018_18.0125.C4
Gene No.	66739	Strand	-
Start	1252	End	1916
Name	OJ991018_18.0125.C4.o1.gs	Method	GENSCAN
Start	1252	End	1833
GI	none	Score	.82
Exons	1252..1833		

Seq. No.	32233	Seq. ID	OJ991018_18.0125.C4
Gene No.	66739	Strand	-
Start	1252	End	1916
Name	OJ991018_18.0125.C4.o1.gp	Method	AAT/GAP
Start	1447	End	1916
GI	20814_1.R1084	Score	843
Exons	1447..1916		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66740	Strand	+
Start	3133	End	9280
Name	OJ991018_18.0125.C5.o2.gs	Method	GENSCAN
Start	3133	End	9280
GI	none	Score	.66
Exons	3133..3147, 3732..4058, 4597..6076, 6342..7025, 7046..7218, 7528..7654, 9171..9280		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66740	Strand	+
Start	3133	End	9280
Name	OJ991018_18.0125.C5.o1.np	Method	AAT/NAP
Start	4498	End	8763
GI	2586082	Score	3975
Exons	4498..8763		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66741	Strand	+
Start	12553	End	13640
Name	OJ991018_18.0125.C5.o1.gp	Method	AAT/GAP
Start	12553	End	13640
GI	none	Score	522
Exons	12553..12699, 13504..13640		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o3.tm	Method	TBLASTX:Maize
Start	4716	End	5019
GI	none	Score	270
Exons	4716..5018, 4717..5019		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o3.tw	Method	TBLASTX:Wheat
Start	4834	End	5166
GI	none	Score	280
Exons	4834..5166, 4834..4959, 4857..5063, 5005..5097		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o2.tw	Method	TBLASTX:Wheat
Start	5335	End	5726
GI	none	Score	369
Exons	5335..5724, 5352..5726		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o5.tm	Method	TBLASTX:Maize
Start	5431	End	5724
GI	none	Score	244
Exons	5431..5724, 5487..5720		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o3.ts	Method	TBLASTX:Soybean
Start	5806	End	6237
GI	none	Score	74
Exons	5806..5910, 5896..6024, 6046..6237		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o4.tm	Method	TBLASTX:Maize
Start	6223	End	6619
GI	none	Score	66
Exons	6223..6312, 6335..6445, 6436..6618, 6437..6619		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o1.tc	Method	TBLASTX:Cress
Start	6229	End	6649
GI	none	Score	84
Exons	6229..6318, 6314..6430, 6428..6649		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o4.tw	Method	TBLASTX:Wheat
Start	6319	End	6642
GI	none	Score	80
Exons	6319..6426, 6332..6421, 6436..6642, 6437..6640		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o2.ts	Method	TBLASTX:Soybean
Start	7244	End	7734
GI	5509260	Score	122
Exons	7244..7444, 7540..7734, 7552..7707, 7557..7721		
GI Descrip.	-		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o5.tw	Method	TBLASTX:Wheat
Start	7412	End	7743
GI	none	Score	34
Exons	7412..7444, 7443..7529, 7540..7743, 7557..7622		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o2.tm	Method	TBLASTX:Maize
Start	7531	End	7977
GI	none	Score	353
Exons	7531..7977, 7554..7769, 7884..7931		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o1.tw	Method	TBLASTX:Wheat
Start	7912	End	8352
GI	none	Score	102
Exons	7912..8022, 8031..8234, 8032..8352, 8041..8292, 8265..8351		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o1.tm	Method	TBLASTX:Maize
Start	8104	End	8712
GI	none	Score	297
Exons	8104..8511, 8199..8453, 8536..8712		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o1.ts	Method	TBLASTX:Soybean
Start	8116	End	8793
GI	none	Score	518
Exons	8116..8739, 8118..8270, 8310..8507, 8377..8706, 8535..8711, 8764..8793		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o3.gs	Method	GENSCAN
Start	10749	End	11680
GI	none	Score	.53
Exons	10749..10822, 10855..11107, 11274..11593, 11677..11680		

Seq. No.	32234	Seq. ID	OJ991018_18.0125.C5
Gene No.	66742	Strand	-
Start	10749	End	11680
Name	OJ991018_18.0125.C5.o2.np	Method	AAT/NAP
Start	10768	End	11469
GI	3153821	Score	69
Exons	10768..10994, 11075..11160, 11335..11469		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	32235	Seq. ID	OJ991018_16.0121.C1
Gene No.	66743	Strand	+
Start	312	End	584
Name	OJ991018_16.0121.C1.o1.gs	Method	GENSCAN
Start	312	End	584
GI	none	Score	.58
Exons	312..584		

Seq. No.	32236	Seq. ID	OJ991018_16.0121.C2
Gene No.	66744	Strand	+
Start	2226	End	4113
Name	OJ991018_16.0121.C2.o2.gs	Method	GENSCAN
Start	2226	End	4113
GI	none	Score	.52
Exons	2226..2400, 2646..2748, 2761..3062, 4085..4113		

Seq. No.	32236	Seq. ID	OJ991018_16.0121.C2
Gene No.	66745	Strand	-
Start	42	End	1774
Name	OJ991018_16.0121.C2.o1.gs	Method	GENSCAN
Start	42	End	1774
GI	none	Score	.84
Exons	42..134, 213..410, 686..846, 1139..1238, 1577..1774		

Seq. No.	32236	Seq. ID	OJ991018_16.0121.C2
Gene No.	66746	Strand	-
Start	1801	End	1941
Name	OJ991018_16.0121.C2.o1.gp	Method	AAT/GAP
Start	1801	End	1941
GI	none	Score	258
Exons	1801..1941		

Seq. No.	32237	Seq. ID	OJ991018_16.0121.C3
Gene No.	66747	Strand	+
Start	29	End	1248
Name	OJ991018_16.0121.C3.o1.gs	Method	GENSCAN
Start	29	End	1248
GI	none	Score	.66
Exons	29..35, 318..348, 446..571, 1122..1248		

Seq. No.	32237	Seq. ID	OJ991018_16.0121.C3
Gene No.	66748	Strand	+
Start	1314	End	2266
Name	OJ991018_16.0121.C3.o2.np	Method	AAT/NAP
Start	1314	End	2266
GI	6714336	Score	115

Exons	1314..1412, 2115..2266		
GI Descrip.	(AC016162) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	32237	Seq. ID	OJ991018_16.0121.C3
Gene No.	66748	Strand	+
Start	1314	End	2266
Name	OJ991018_16.0121.C3.o2.gs	Method	GENSCAN
Start	1977	End	2266
GI	none	Score	.98
Exons	1977..2266		
Seq. No.	32237	Seq. ID	OJ991018_16.0121.C3
Gene No.	66749	Strand	-
Start	1	End	2398
Name	OJ991018_16.0121.C3.o1.np	Method	AAT/NAP
Start	1	End	2398
GI	5852093	Score	101
Exons	1..19, 1616..1742, 2371..2398		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	32237	Seq. ID	OJ991018_16.0121.C3
Gene No.	66749	Strand	-
Start	1	End	2398
Name	OJ991018_16.0121.C3.o1.tm	Method	TBLASTX:Maize
Start	2076	End	2267
GI	none	Score	98
Exons	2076..2144, 2145..2240, 2150..2236, 2238..2267, 2238..2267		
Seq. No.	32238	Seq. ID	OJ991018_16.0121.C4
Gene No.	66750	Strand	+
Start	1	End	387
Name	OJ991018_16.0121.C4.o1.np	Method	AAT/NAP
Start	1	End	340
GI	6714336	Score	164
Exons	1..38, 200..340		
GI Descrip.	(AC016162) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	32238	Seq. ID	OJ991018_16.0121.C4
Gene No.	66750	Strand	+
Start	1	End	387
Name	OJ991018_16.0121.C4.o1.tm	Method	TBLASTX:Maize
Start	197	End	387
GI	none	Score	228
Exons	197..343, 198..341, 199..387, 199..351		
Seq. No.	32238	Seq. ID	OJ991018_16.0121.C4
Gene No.	66750	Strand	+
Start	1	End	387
Name	OJ991018_16.0121.C4.o1.gs	Method	GENSCAN
Start	200	End	343
GI	none	Score	.99
Exons	200..343		
Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66751	Strand	+
Start	10811	End	13534
Name	OJ991018_16.0121.C5.o2.gs	Method	GENSCAN

Start	10811	End	13534
GI	none	Score	.7
Exons	10811..10818, 11323..11368, 11724..11753, 11791..11908, 12005..12037, 12319..12392, 13457..13534		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66752	Strand	+
Start	15848	End	19623
Name	OJ991018_16.0121.C5.o2.np	Method	AAT/NAP
Start	15848	End	19623
GI	1076802	Score	113
Exons	15848..15940, 16116..16307, 16459..16547, 17097..17177, 18978..19269, 19313..19623		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66753	Strand	+
Start	24500	End	29337
Name	OJ991018_16.0121.C5.o5.gs	Method	GENSCAN
Start	24500	End	29337
GI	none	Score	.86
Exons	24500..24713, 25051..26396, 29188..29337		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66753	Strand	+
Start	24500	End	29337
Name	OJ991018_16.0121.C5.o6.gp	Method	AAT/GAP
Start	25693	End	26164
GI	LIB3434-048-P1-K1-B4	Score	923
Exons	25693..26164		
GI Descrip.	'2462835 3.0e-37 (AF000657) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66753	Strand	+
Start	24500	End	29337
Name	OJ991018_16.0121.C5.o7.gp	Method	AAT/GAP
Start	26794	End	27122
GI	3760541	Score	501
Exons	26794..27122		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66754	Strand	+
Start	30397	End	31521
Name	OJ991018_16.0121.C5.o8.gp	Method	AAT/GAP
Start	30150	End	30774
GI	none	Score	1180
Exons	30150..30774		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66754	Strand	+
Start	30397	End	31521
Name	OJ991018_16.0121.C5.o6.gs	Method	GENSCAN
Start	30397	End	31521
GI	none	Score	.73

Exons	30397..31395, 31504..31521		
Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66755	Strand	+
Start	36721	End	42151
Name	OJ991018_16.0121.C5.o8.gs	Method	GENSCAN
Start	36721	End	42151
GI	none	Score	.62
Exons	36721..36872, 37877..37940, 38166..38213, 38274..38328, 38635..38728, 39050..39189, 40205..40770, 40875..41501, 41551..41679, 42008..42151		
Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66755	Strand	+
Start	36721	End	42151
Name	OJ991018_16.0121.C5.o5.np	Method	AAT/NAP
Start	39124	End	41513
GI	4914330	Score	971
Exons	39124..39192, 40476..40770, 40875..41513		
GI Descrip.	(AC005489) F14N23.16 [Arabidopsis thaliana]		
Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66756	Strand	+
Start	42457	End	42894
Name	OJ991018_16.0121.C5.o9.gp	Method	AAT/GAP
Start	42457	End	42894
GI	uC-osroM202028g02a1	Score	844
Exons	42457..42894		
GI Descrip.	'1931643 6.0e-10 (U95973) DnaJ isolog [Arabidopsis thaliana]'		
Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66757	Strand	-
Start	81	End	417
Name	OJ991018_16.0121.C5.o1.gp	Method	AAT/GAP
Start	81	End	417
GI	31614_1.R1084	Score	666
Exons	81..417		
GI Descrip.	'4538975/emb|CAB39763.1| 3.0e-23 (AL049487) putative protein [Arabidopsis thaliana]'		
Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66758	Strand	-
Start	1860	End	6233
Name	OJ991018_16.0121.C5.o1.gs	Method	GENSCAN
Start	1860	End	6194
GI	none	Score	.53
Exons	1860..2087, 4326..4362, 4739..4877, 5708..5840, 6012..6194		
Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66758	Strand	-
Start	1860	End	6233
Name	OJ991018_16.0121.C5.o1.np	Method	AAT/NAP
Start	1980	End	6233
GI	2462825	Score	350
Exons	1980..2087, 4326..4362, 4739..4897, 5708..5840, 6012..6233		
GI Descrip.	(AF000657) contains Procite 'RNP1' putative RNA-binding region [Arabidopsis thaliana]		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66759	Strand	-
Start	18878	End	22943
Name	OJ991018_16.0121.C5.o2.gp	Method	AAT/GAP
Start	18719	End	19198
GI	5771197	Score	882
Exons	18719..19198		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66759	Strand	-
Start	18878	End	22943
Name	OJ991018_16.0121.C5.o4.gs	Method	GENSCAN
Start	18878	End	22936
GI	none	Score	.8
Exons	18878..19621, 19675..19727, 21244..21288, 21381..21582, 21890..22101, 22903..22936		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66759	Strand	-
Start	18878	End	22943
Name	OJ991018_16.0121.C5.o3.np	Method	AAT/NAP
Start	19963	End	22057
GI	4538975	Score	205
Exons	19963..20002, 21540..21582, 21890..22057		
GI Descrip.	(AL049487) putative protein [Arabidopsis thaliana]		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66759	Strand	-
Start	18878	End	22943
Name	OJ991018_16.0121.C5.o3.gp	Method	AAT/GAP
Start	20015	End	20223
GI	3107785	Score	394
Exons	20015..20223		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66759	Strand	-
Start	18878	End	22943
Name	OJ991018_16.0121.C5.o4.gp	Method	AAT/GAP
Start	20364	End	20739
GI	569665	Score	736
Exons	20364..20739		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66759	Strand	-
Start	18878	End	22943
Name	OJ991018_16.0121.C5.o5.gp	Method	AAT/GAP
Start	21484	End	22943
GI	4715321	Score	657
Exons	21484..21582, 21890..22101, 22903..22943		
GI Descrip.	4538975/emb|CAB39763.1| 3.0e-23 (AL049487) putative protein [Arabidopsis thaliana]		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66760	Strand	-
Start	32633	End	37315
Name	OJ991018_16.0121.C5.o4.np	Method	AAT/NAP

Start	32633	End	37315
GI	1655536	Score	2527
Exons	32633..32719, 32801..33938, 34042..34311, 34483..34741, 34851..35032, 35125..35325, 36056..36165, 37271..37315		
GI Descrip.	(Y09095) chloride channel [Arabidopsis thaliana] gi|1742957|emb|CAA96059| (Z71447) CLC-c chloride channel protein [Arabidopsis thaliana]		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66760	Strand	-
Start	32633	End	37315
Name	OJ991018_16.0121.C5.o7.gs	Method	GENSCAN
Start	32633	End	36300
GI	none	Score	.75
Exons	32633..32719, 32801..33938, 34042..34166, 34179..34311, 34483..34651, 34694..34745, 34765..35032, 35125..35325, 35810..35989, 36056..36300		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o5.tm	Method	TBLASTX:Maize
Start	38	End	6219
GI	none	Score	95
Exons	38..70, 75..158, 76..162, 81..161, 83..163, 227..250, 227..319, 232..252, 281..319, 332..478, 336..374, 344..385, 380..520, 381..527, 390..524, 689..802, 703..789, 756..830, 786..878, 827..862, 837..863, 902..1096, 902..1057, 906..1100, 924..1250, 1098..1142, 1099..1143, 1103..1144, 1160..1333, 1166..1333, 1170..1334, 1608..1667, 1782..1847, 1797..1847, 1798..1929, 1798..1911, 1826..1918, 1906..1992, 1911..1973, 1912..1992, 1965..2012, 1966..2013, 1966..2013, 2043..2087, 2044..2088, 2044..2088, 2044..2121, 4686..4835, 4736..4879, 4738..4878, 5706..5840, 5706..5840, 5707..5841, 6004..6198, 6009..6218, 6010..6219		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o5.ts	Method	TBLASTX:Soybean
Start	1765	End	6198
GI	none	Score	85
Exons	1765..1902, 1894..1959, 1965..2012, 2043..2063, 2061..2087, 4736..4822, 4738..4803, 4760..4822, 5706..5840, 5707..5841, 6009..6194, 6010..6198		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o3.tc	Method	TBLASTX:Cress
Start	5721	End	6167
GI	none	Score	122
Exons	5721..5840, 5743..5841, 6004..6159, 6009..6167, 6010..6165		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418

Name	OJ991018_16.0121.C5.o4.tw	Method	TBLASTX:Wheat
Start	6072	End	6201
GI	none	Score	221
Exons	6072..6194, 6073..6201		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o8.tm	Method	TBLASTX:Maize
Start	21861	End	22106
GI	none	Score	235
Exons	21861..22103, 21863..22105, 21871..22104, 21888..22106		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o6.ts	Method	TBLASTX:Soybean
Start	21887	End	22106
GI	none	Score	192
Exons	21887..22105, 21891..22106		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o14.tm	Method	TBLASTX:Maize
Start	24416	End	25356
GI	none	Score	44
Exons	24416..24454, 24496..24525, 24497..24532, 24623..24712, 24626..24712, 25068..25301, 25069..25278, 25306..25356		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o7.ts	Method	TBLASTX:Soybean
Start	25378	End	25646
GI	none	Score	64
Exons	25378..25437, 25399..25533, 25403..25447, 25410..25646, 25413..25532, 25493..25645		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o1.tm	Method	TBLASTX:Maize
Start	25400	End	26148
GI	none	Score	101
Exons	25400..25453, 25401..25475, 25407..25475, 25473..26027, 25476..26024, 26023..26148, 26026..26148		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o2.ts	Method	TBLASTX:Soybean
Start	25649	End	26003
GI	none	Score	416
Exons	25649..25966, 25650..26003, 25653..25982		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5

Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o9.tm	Method	TBLASTX:Maize
Start	26348	End	27125
GI	none	Score	113
Exons	26348..26389, 26484..26585, 26488..26568, 26817..27056, 26817..27056, 26818..27057, 26957..27067, 27063..27125		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o11.tm	Method	TBLASTX:Maize
Start	31212	End	31484
GI	none	Score	49
Exons	31212..31238, 31213..31239, 31264..31386, 31269..31385, 31410..31451, 31428..31451, 31452..31484, 31452..31484		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o1.tc	Method	TBLASTX:Cress
Start	32645	End	36120
GI	none	Score	70
Exons	32645..32719, 32652..32720, 32801..33046, 32802..33023, 33038..33373, 33114..33491, 33431..33463, 33554..33817, 33558..33818, 33836..33937, 33867..33938, 34041..34238, 34143..34310, 34150..34311, 34480..34746, 34482..34757, 34852..35034, 34855..35010, 34856..35065, 35122..35319, 35124..35330, 35130..35330, 36055..36120, 36056..36118		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o3.tm	Method	TBLASTX:Maize
Start	32804	End	33373
GI	none	Score	222
Exons	32804..33373, 32805..33170, 33222..33371		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o1.ts	Method	TBLASTX:Soybean
Start	32822	End	33476
GI	none	Score	145
Exons	32822..33031, 32823..33008, 33057..33173, 33122..33373, 33222..33476, 33431..33463		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o1.tw	Method	TBLASTX:Wheat
Start	33005	End	33373
GI	none	Score	147
Exons	33005..33373, 33222..33371		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-

Start	42703	End	44418
Name	OJ991018_16.0121.C5.o2.tm	Method	TBLASTX:Maize
Start	33431	End	34625
GI	none	Score	82
Exons	33431..33463, 33444..33500, 33554..33838, 33561..33809, 33836..33937, 34029..34073, 34041..34238, 34143..34310, 34165..34311, 34482..34625, 34482..34622		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o9.ts	Method	TBLASTX:Soybean
Start	33644	End	33919
GI	none	Score	73
Exons	33644..33838, 33711..33809, 33824..33919		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o10.ts	Method	TBLASTX:Soybean
Start	34599	End	35034
GI	none	Score	95
Exons	34599..34748, 34633..34746, 34852..34938, 34856..34939, 34960..35034		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o10.tm	Method	TBLASTX:Maize
Start	34861	End	36124
GI	none	Score	77
Exons	34861..35097, 34868..35035, 35122..35322, 35124..35330, 36049..36120, 36050..36124		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o8.ts	Method	TBLASTX:Soybean
Start	40422	End	40937
GI	none	Score	37
Exons	40422..40442, 40483..40551, 40576..40617, 40578..40616, 40624..40770, 40626..40778, 40872..40937		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o6.tm	Method	TBLASTX:Maize
Start	40474	End	41045
GI	none	Score	95
Exons	40474..40557, 40476..40556, 40576..40620, 40578..40619, 40623..40766, 40624..40770, 40671..40772, 40872..40979, 40873..40980, 40884..40979, 40979..41044, 40982..41044, 40983..41045		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418

Name	OJ991018_16.0121.C5.o2.tc	Method	TBLASTX:Cress
Start	40875	End	41312
GI	none	Score	279
Exons	40875..41228, 41226..41312		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o3.ts	Method	TBLASTX:Soybean
Start	40938	End	41488
GI	none	Score	244
Exons	40938..41225, 41078..41224, 41229..41270, 41289..41399, 41291..41374, 41357..41488, 41406..41480		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o4.tm	Method	TBLASTX:Maize
Start	41093	End	41525
GI	none	Score	492
Exons	41093..41503, 41094..41525, 41370..41510		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o3.tw	Method	TBLASTX:Wheat
Start	41202	End	41396
GI	none	Score	244
Exons	41202..41396, 41204..41395		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o13.tm	Method	TBLASTX:Maize
Start	42655	End	42865
GI	none	Score	151
Exons	42655..42684, 42718..42864, 42719..42865		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o9.gs	Method	GENSCAN
Start	42703	End	44352
GI	none	Score	.85
Exons	42703..43201, 44000..44352		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o6.np	Method	AAT/NAP
Start	42706	End	44418
GI	1931643	Score	465
Exons	42706..43156, 44000..44418		
GI Descrip.	(U95973) DnaJ isolog [Arabidopsis thaliana]		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-

Start	42703	End	44418
Name	OJ991018_16.0121.C5.o2.tw	Method	TBLASTX:Wheat
Start	42724	End	43141
GI	none	Score	43
Exons	42724..42876, 42830..42868, 42895..43119, 42935..43141, 42938..43141		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o4.tc	Method	TBLASTX:Cress
Start	42724	End	43152
GI	none	Score	71
Exons	42724..42879, 42928..43152, 42980..43090		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o4.ts	Method	TBLASTX:Soybean
Start	42724	End	44142
GI	none	Score	80
Exons	42724..42873, 42740..42877, 42931..43119, 42938..43141, 43999..44142		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o7.tm	Method	TBLASTX:Maize
Start	42867	End	43141
GI	none	Score	294
Exons	42867..43010, 42869..43141, 42871..43140, 42872..43141		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o10.gp	Method	AAT/GAP
Start	44106	End	44358
GI	uC-osroM202028g02b1	Score	470
Exons	44106..44358		
GI Descrip.	'4981382/gb|AAD35931.1|AE001751_11 7.0e-13 (AE001751) dnaJ protein [Thermotoga maritima]'		

Seq. No.	32239	Seq. ID	OJ991018_16.0121.C5
Gene No.	66761	Strand	-
Start	42703	End	44418
Name	OJ991018_16.0121.C5.o12.tm	Method	TBLASTX:Maize
Start	44107	End	44366
GI	none	Score	170
Exons	44107..44250, 44107..44247, 44281..44307, 44285..44305, 44308..44355, 44309..44353, 44310..44366		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66762	Strand	+
Start	17595	End	20829
Name	OJ991018_16.0121.C6.o3.gs	Method	GENSCAN
Start	17595	End	20829
GI	none	Score	.75

Exons	17595..17702, 17979..18021, 18100..18421, 20685..20829		
Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66762	Strand	+
Start	17595	End	20829
Name	OJ991018_16.0121.C6.o3.np	Method	AAT/NAP
Start	18189	End	18421
GI	4972728	Score	105
Exons	18189..18421		
GI Descrip.	(AF132171) unknown [Drosophila melanogaster]		
Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66763	Strand	-
Start	621	End	7216
Name	OJ991018_16.0121.C6.o1.gs	Method	GENSCAN
Start	621	End	7216
GI	none	Score	.54
Exons	621..687, 735..805, 1114..1416, 1445..1720, 1869..2078, 2277..2403, 2809..2846, 2877..2930, 3253..3351, 3539..3999, 4479..4591, 6611..6677, 6902..6941, 7040..7216		
Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o5.tm	Method	TBLASTX:Maize
Start	3220	End	3489
GI	none	Score	75
Exons	3220..3489, 3341..3487		
Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o1.tw	Method	TBLASTX:Wheat
Start	3567	End	3928
GI	none	Score	84
Exons	3567..3626, 3628..3834, 3629..3796, 3629..3928, 3639..3809		
Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o3.tm	Method	TBLASTX:Maize
Start	3659	End	4127
GI	none	Score	52
Exons	3659..3727, 3684..3740, 3758..4126, 3765..3860, 3942..4127		
Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o3.tw	Method	TBLASTX:Wheat
Start	4172	End	4581
GI	none	Score	82
Exons	4172..4204, 4205..4363, 4206..4364, 4456..4581		
Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o4.ts	Method	TBLASTX:Soybean

Start	4202	End	4732
GI	none	Score	53
Exons	4202..4363, 4215..4349, 4415..4525, 4456..4605, 4574..4615, 4676..4732		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o4.tm	Method	TBLASTX:Maize
Start	4359	End	4678
GI	none	Score	64
Exons	4359..4442, 4412..4522, 4426..4590, 4456..4635, 4571..4678		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o2.gs	Method	GENSCAN
Start	9079	End	15814
GI	none	Score	.74
Exons	9079..9285, 9669..9837, 10204..10301, 10698..10805, 11023..11132, 11424..11524, 11686..11870, 12190..12306, 13075..13180, 13323..13411, 13854..13997, 14109..14201, 14472..14584, 14682..14864, 14996..15651, 15765..15814		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o1.tm	Method	TBLASTX:Maize
Start	9121	End	12309
GI	none	Score	37
Exons	9121..9168, 9215..9328, 9216..9326, 9217..9333, 9667..9810, 9669..9806, 9669..10004, 9670..10005, 9831..10007, 9835..10005, 10081..10302, 10086..10313, 10086..10313, 10088..10345, 10383..10499, 10383..10496, 10384..10497, 10695..10817, 10698..10808, 10699..10827, 10699..10818, 10700..10831, 11005..11136, 11022..11138, 11024..11131, 11029..11139, 11425..11496, 11426..11485, 11479..11526, 11486..11542, 11686..11871, 11688..11873, 11688..11870, 12139..12309, 12140..12307, 12141..12308		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o2.tc	Method	TBLASTX:Cress
Start	9218	End	10496
GI	none	Score	72
Exons	9218..9322, 9669..9806, 9709..9783, 9858..10004, 10086..10163, 10087..10158, 10197..10292, 10198..10293, 10377..10412, 10422..10496		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o2.ts	Method	TBLASTX:Soybean
Start	9621	End	11789
GI	none	Score	130
Exons	9621..9773, 9864..10004, 9865..10005, 10086..10286,		

10102..10293, 10371..10409, 10377..10451, 11023..11133,
11030..11134, 11422..11499, 11676..11789

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o4.tw	Method	TBLASTX:Wheat
Start	9687	End	10280
GI	none	Score	93
Exons	9687..9797, 9861..10004, 10197..10280		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o2.np	Method	AAT/NAP
Start	9891	End	15043
GI	6686892	Score	1975
Exons	9891..10005, 10090..10301, 10386..10496, 10698..10805, 11023..11132, 11424..11524, 11677..11870, 12142..12306, 12579..12697, 12781..12868, 13075..13180, 13323..13411, 13854..13997, 14109..14201, 14287..14353, 14472..14584, 14682..14777, 14855..15043		
GI Descrip.	(AJ270306) putative beta-galactosidase [Arabidopsis thaliana]		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o1.gp	Method	AAT/GAP
Start	10677	End	11764
GI	LIB3475-004-P1-K2-A4	Score	692
Exons	10677..10805, 11023..11132, 11424..11524, 11686..11764		
GI Descrip.	'4138137/emb|CAA10173| 1.0e-25 (AJ012796) ss-galactosidase [Lycopersicon esculentum]'		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o1.tc	Method	TBLASTX:Cress
Start	11688	End	14953
GI	none	Score	67
Exons	11688..11804, 12139..12309, 12140..12205, 12163..12309, 12579..12698, 12774..12869, 12779..12868, 12780..12869, 13075..13170, 13322..13411, 13848..13997, 13849..13995, 13868..13999, 13869..14003, 14106..14204, 14133..14210, 14287..14364, 14288..14368, 14471..14587, 14472..14585, 14682..14789, 14683..14778, 14852..14953		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o2.tw	Method	TBLASTX:Wheat
Start	12139	End	12887
GI	none	Score	69
Exons	12139..12279, 12140..12280, 12579..12698, 12580..12699, 12774..12869, 12779..12868, 12780..12887		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6

Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o2.tm	Method	TBLASTX:Maize
Start	12591	End	14953
GI	none	Score	52
Exons	12591..12698, 12592..12699, 12631..12711, 12774..12869, 12779..12868, 12789..12869, 13075..13170, 13322..13411, 13326..13421, 13848..13997, 13849..13998, 13851..14003, 14106..14195, 14107..14187, 14287..14364, 14288..14368, 14471..14587, 14472..14588, 14472..14588, 14669..14707, 14682..14789, 14686..14778, 14696..14791, 14714..14848, 14852..14953		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66764	Strand	-
Start	9079	End	15814
Name	OJ991018_16.0121.C6.o1.ts	Method	TBLASTX:Soybean
Start	12621	End	14950
GI	none	Score	43
Exons	12621..12698, 12634..12699, 12779..12868, 12780..12869, 13075..13170, 13322..13411, 13851..13997, 13858..13995, 13868..13999, 14106..14195, 14287..14364, 14288..14368, 14471..14587, 14472..14588, 14682..14789, 14686..14778, 14852..14950		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66765	Strand	
Start	18204	End	20841
Name	OJ991018_16.0121.C6.o3.tc	Method	TBLASTX:Cress
Start	18204	End	20841
GI	none	Score	227
Exons	18204..18422, 20686..20841		

Seq. No.	32240	Seq. ID	OJ991018_16.0121.C6
Gene No.	66765	Strand	
Start	18204	End	20841
Name	OJ991018_16.0121.C6.o3.ts	Method	TBLASTX:Soybean
Start	18204	End	18422
GI	none	Score	223
Exons	18204..18422, 18287..18421		

Seq. No.	32241	Seq. ID	OJ991018_16.0121.C7
Gene No.	66766	Strand	+
Start	1	End	1473
Name	OJ991018_16.0121.C7.o1.np	Method	AAT/NAP
Start	1	End	1198
GI	4972728	Score	448
Exons	1..38, 371..481, 560..623, 716..890, 974..1198		
GI Descrip.	(AF132171) unknown [Drosophila melanogaster]		

Seq. No.	32241	Seq. ID	OJ991018_16.0121.C7
Gene No.	66766	Strand	+
Start	1	End	1473
Name	OJ991018 16.0121.C7.o1.gs	Method	GENSCAN
Start	368	End	1212
GI	none	Score	.95
Exons	368..481, 560..623, 716..890, 974..1212		

Seq. No.	32241	Seq. ID	OJ991018_16.0121.C7
Gene No.	66766	Strand	+
Start	1	End	1473
Name	OJ991018_16.0121.C7.o1.tm	Method	TBLASTX:Maize
Start	370	End	1266
GI	none	Score	168
Exons	370..480, 376..480, 381..482, 384..512, 544..621, 557..622, 562..621, 570..638, 711..890, 714..890, 962..1219, 971..1222, 973..1266		

Seq. No.	32241	Seq. ID	OJ991018_16.0121.C7
Gene No.	66766	Strand	+
Start	1	End	1473
Name	OJ991018_16.0121.C7.o1.tc	Method	TBLASTX:Cress
Start	381	End	623
GI	none	Score	162
Exons	381..479, 382..480, 561..623, 562..621		

Seq. No.	32241	Seq. ID	OJ991018_16.0121.C7
Gene No.	66766	Strand	+
Start	1	End	1473
Name	OJ991018_16.0121.C7.o1.ts	Method	TBLASTX:Soybean
Start	561	End	1120
GI	none	Score	95
Exons	561..623, 562..621, 713..814, 714..827, 831..893, 845..898, 942..1109, 973..1110, 974..1120, 974..1114		

Seq. No.	32241	Seq. ID	OJ991018_16.0121.C7
Gene No.	66766	Strand	+
Start	1	End	1473
Name	OJ991018_16.0121.C7.o1.gp	Method	AAT/GAP
Start	1015	End	1473
GI	none	Score	885
Exons	1015..1473		

Seq. No.	32242	Seq. ID	OJ991018_16.0121.C8
Gene No.	66767	Strand	+
Start	1103	End	1546
Name	OJ991018_16.0121.C8.o1.gp	Method	AAT/GAP
Start	1103	End	1546
GI	2312103	Score	813
Exons	1103..1546		

Seq. No.	32242	Seq. ID	OJ991018_16.0121.C8
Gene No.	66768	Strand	-
Start	508	End	1521
Name	OJ991018_16.0121.C8.o1.gs	Method	GENSCAN
Start	508	End	1521
GI	none	Score	.68
Exons	508..615, 825..1076, 1164..1365, 1445..1521		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66769	Strand	+
Start	1	End	3488
Name	OJ991018_16.0121.C9.o1.gp	Method	AAT/GAP
Start	1	End	297

GI	LIB3431-058-P1-K1-A10	Score	574
Exons	1..297		
GI Descrip.	'2244749/emb|CAB10172.1| 7.0e-37 (Z97335) hydroxymethyltransferase [Arabidopsis thaliana]'		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66769	Strand	+
Start	1	End	3488
Name	OJ991018_16.0121.C9.o1.np	Method	AAT/NAP
Start	1	End	3234
GI	2244749	Score	1389
Exons	1..628, 1984..2386, 2794..2895, 2993..3234		
GI Descrip.	(Z97335) hydroxymethyltransferase [Arabidopsis thaliana]		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66769	Strand	+
Start	1	End	3488
Name	OJ991018_16.0121.C9.o1.gs	Method	GENSCAN
Start	17	End	2900
GI	none	Score	.89
Exons	17..628, 1984..2056, 2794..2900		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66769	Strand	+
Start	1	End	3488
Name	OJ991018_16.0121.C9.o2.gp	Method	AAT/GAP
Start	2161	End	3488
GI	4421_1.R1084	Score	1500
Exons	2161..2386, 2794..2895, 2993..3488		
GI Descrip.	'4455318/emb|CAB36853.1| 4.0e-47 (AL035528) glycine hydroxymethyltransferase-like protein [Arabidopsis thaliana]'		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66770	Strand	+
Start	7187	End	7777
Name	OJ991018_16.0121.C9.o4.gs	Method	GENSCAN
Start	7187	End	7777
GI	none	Score	.88
Exons	7187..7250, 7659..7777		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66771	Strand	-
Start	5855	End	6970
Name	OJ991018_16.0121.C9.o1.ts	Method	TBLASTX:Soybean
Start	1	End	3227
GI	none	Score	783
Exons	1..624, 2..637, 14..637, 514..663, 1929..2081, 1981..2043, 2116..2388, 2148..2393, 2789..2896, 2790..2897, 2988..3056, 2992..3207, 3090..3227		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66771	Strand	-
Start	5855	End	6970
Name	OJ991018_16.0121.C9.o1.tm	Method	TBLASTX:Maize
Start	2	End	3227
GI	none	Score	784
Exons	2..628, 19..624, 1929..2081, 1981..2043, 2134..2388, 2148..2393,		

2786..2896, 2790..2897, 2988..3227, 2992..3207

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66771	Strand	-
Start	5855	End	6970
Name	OJ991018_16.0121.C9.o1.tw	Method	TBLASTX:Wheat
Start	40	End	486
GI	none	Score	768
Exons	40..486, 41..484, 241..486		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66771	Strand	-
Start	5855	End	6970
Name	OJ991018_16.0121.C9.o1.tc	Method	TBLASTX:Cress
Start	106	End	2232
GI	none	Score	681
Exons	106..624, 107..628, 110..640, 286..642, 1981..2043, 1983..2087, 2134..2232, 2148..2231		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66771	Strand	-
Start	5855	End	6970
Name	OJ991018_16.0121.C9.o2.tw	Method	TBLASTX:Wheat
Start	2085	End	2878
GI	none	Score	280
Exons	2085..2384, 2086..2388, 2092..2382, 2093..2386, 2148..2408, 2786..2878, 2790..2876, 2792..2878		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66771	Strand	-
Start	5855	End	6970
Name	OJ991018_16.0121.C9.o2.tc	Method	TBLASTX:Cress
Start	2238	End	3227
GI	none	Score	149
Exons	2238..2393, 2239..2388, 2789..2896, 2790..2897, 2988..3227, 2992..3207		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66771	Strand	-
Start	5855	End	6970
Name	OJ991018_16.0121.C9.o3.tw	Method	TBLASTX:Wheat
Start	5851	End	5977
GI	none	Score	58
Exons	5851..5898, 5855..5977, 5856..5951, 5951..5974		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66771	Strand	-
Start	5855	End	6970
Name	OJ991018_16.0121.C9.o2.np	Method	AAT/NAP
Start	5855	End	6970
GI	6573780	Score	401
Exons	5855..6207, 6253..6512, 6591..6970		
GI Descrip.	(AC009243) F28K19.7 [Arabidopsis thaliana]		

Seq. No.	32243	Seq. ID	OJ991018_16.0121.C9
Gene No.	66771	Strand	-
Start	5855	End	6970

Name	OJ991018_16.0121.C9.o3.gs	Method	GENSCAN
Start	5855	End	6966
GI	none	Score	.99
Exons	5855..6484, 6640..6966		

Seq. No.	32244	Seq. ID	OJ991018_16.0121.C10
Gene No.	66772	Strand	+
Start	111	End	1720
Name	OJ991018_16.0121.C10.o1.gs	Method	GENSCAN
Start	111	End	1720
GI	none	Score	.59
Exons	111..236, 571..705, 785..892, 925..1002, 1217..1720		

Seq. No.	32244	Seq. ID	OJ991018_16.0121.C10
Gene No.	66773	Strand	+
Start	1655	End	4881
Name	OJ991018_16.0121.C10.o1.np	Method	AAT/NAP
Start	1655	End	4881
GI	5852093	Score	96
Exons	1655..1738, 3031..3160, 4803..4881		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	32244	Seq. ID	OJ991018_16.0121.C10
Gene No.	66774	Strand	-
Start	2824	End	4207
Name	OJ991018_16.0121.C10.o2.gs	Method	GENSCAN
Start	2824	End	4207
GI	none	Score	.87
Exons	2824..2930, 4183..4207		

Seq. No.	32245	Seq. ID	OJ991018_16.0121.C11
Gene No.	66775	Strand	+
Start	136	End	2370
Name	OJ991018_16.0121.C11.o1.np	Method	AAT/NAP
Start	136	End	2370
GI	4406763	Score	144
Exons	136..289, 1246..1462, 2239..2370		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		

Seq. No.	32245	Seq. ID	OJ991018_16.0121.C11
Gene No.	66775	Strand	+
Start	136	End	2370
Name	OJ991018_16.0121.C11.o1.tm	Method	TBLASTX:Maize
Start	1489	End	2369
GI	none	Score	85
Exons	1489..1560, 1490..1552, 1495..1563, 2229..2315, 2231..2326, 2245..2325, 2311..2361, 2313..2369		

Seq. No.	32246	Seq. ID	OJ991028_11.0120.C2
Gene No.	66776	Strand	+
Start	332	End	513
Name	OJ991028_11.0120.C2.o1.gs	Method	GENSCAN
Start	332	End	513
GI	none	Score	.99
Exons	332..513		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3

Gene No.	66777	Strand	+
Start	98	End	12439
Name	OJ991028_11.0120.C3.o1.gs	Method	GENSCAN
Start	98	End	12439
GI	none	Score	.66
Exons	98..274, 1852..2190, 2335..2428, 3322..3395, 3479..3573, 3967..4007, 4764..4819, 5188..5262, 5391..5483, 5605..5853, 5947..6019, 7119..7195, 7283..7368, 7507..7582, 7731..7798, 7877..7943, 8006..8101, 8181..8283, 8620..8715, 11476..11845, 11854..11926, 12359..12439		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66777	Strand	+
Start	98	End	12439
Name	OJ991028_11.0120.C3.o1.gp	Method	AAT/GAP
Start	1747	End	2364
GI	568812	Score	523
Exons	1747..1996, 2335..2364		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66777	Strand	+
Start	98	End	12439
Name	OJ991028_11.0120.C3.o1.np	Method	AAT/NAP
Start	1961	End	8871
GI	5669871	Score	1753
Exons	1961..1996, 2335..2432, 3326..3389, 3479..3573, 3967..4007, 4764..4819, 5188..5262, 5391..5483, 5605..5853, 5947..6019, 7110..7195, 7283..7368, 7507..7582, 7731..7798, 7877..7943, 8006..8101, 8181..8283, 8620..8715, 8804..8871		
GI Descrip.	(AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66777	Strand	+
Start	98	End	12439
Name	OJ991028_11.0120.C3.o4.gp	Method	AAT/GAP
Start	7727	End	8713
GI	LIB3433-056-P1-K1-E2	Score	731
Exons	7727..7798, 7877..7943, 8006..8101, 8181..8283, 8620..8713		
GI Descrip.	'5669871/gb|AAD46491.1|AF135014_1 1.0e-71 (AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]'		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66777	Strand	+
Start	98	End	12439
Name	OJ991028_11.0120.C3.o5.gp	Method	AAT/GAP
Start	8981	End	9345
GI	5003232	Score	628
Exons	8981..9345		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66778	Strand	+
Start	16796	End	26009
Name	OJ991028_11.0120.C3.o3.gs	Method	GENSCAN
Start	16796	End	25817
GI	none	Score	.83
Exons	16796..16831, 17364..17415, 17476..17497, 17686..17923, 18814..18944, 19375..19416, 19811..19892, 19992..20070,		

20886..21055, 22164..22290, 23060..23175, 23264..23371,
24513..24608, 25325..25498, 25662..25817

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66778	Strand	+
Start	16796	End	26009
Name	OJ991028_11.0120.C3.o2.np	Method	AAT/NAP
Start	17780	End	25814
GI	6689922	Score	2090
Exons	17780..17923, 18814..18944, 19375..19416, 19811..19921, 19992..20070, 20886..21055, 22164..22290, 23060..23175, 23264..23371, 24546..24608, 25325..25498, 25662..25814		
GI Descrip.	(AF194414) calcium-dependent protein kinase [Oryza sativa]		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66778	Strand	+
Start	16796	End	26009
Name	OJ991028_11.0120.C3.o6.gp	Method	AAT/GAP
Start	17780	End	26009
GI	1078_1.R1084	Score	2931
Exons	17780..17923, 18814..18944, 19375..19416, 19811..19921, 19992..20070, 20886..21055, 22164..22290, 23060..23175, 23264..23371, 24546..24608, 25325..25498, 25662..26009		
GI Descrip.	'2708745 0.0e+00 (AC003952) putative calcium-dependent ser/thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66779	Strand	+
Start	30843	End	42391
Name	OJ991028_11.0120.C3.o4.np	Method	AAT/NAP
Start	30785	End	36247
GI	6598677	Score	750
Exons	30785..30905, 32296..32377, 32849..32923, 33065..33140, 33391..33801, 33883..33951, 34039..34103, 34623..34695, 34922..35026, 35271..35342, 35432..35494, 36116..36247		
GI Descrip.	(AC007135) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66779	Strand	+
Start	30843	End	42391
Name	OJ991028_11.0120.C3.o5.gs	Method	GENSCAN
Start	30843	End	42391
GI	none	Score	.62
Exons	30843..30905, 32271..32377, 32849..32923, 33065..33140, 33248..33292, 33391..33801, 34039..34061, 34473..34541, 34623..34695, 34922..35026, 35271..35342, 36116..36212, 37516..37645, 38355..38467, 39455..39584, 40359..40417, 40470..40577, 41040..41155, 42136..42160, 42303..42391		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66779	Strand	+
Start	30843	End	42391
Name	OJ991028_11.0120.C3.o7.gp	Method	AAT/GAP
Start	35432	End	35511
GI	LIB3432-024-P1-K1-D4	Score	105
Exons	35432..35511		
GI Descrip.	'4510362/gb|AAD21450.1| 3.0e-22 (AC007017) hypothetical protein		

[Arabidopsis thaliana]'

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66780	Strand	+
Start	46779	End	49632
Name	OJ991028_11.0120.C3.o7.np	Method	AAT/NAP
Start	45767	End	48452
GI	3250674	Score	246
Exons	45767..45800, 47987..48452		
GI Descrip.	(AL024486) putative protein [Arabidopsis thaliana]		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66780	Strand	+
Start	46779	End	49632
Name	OJ991028_11.0120.C3.o6.np	Method	AAT/NAP
Start	46460	End	49632
GI	1313909	Score	45
Exons	46460..46496, 46703..46966, 49606..49632		
GI Descrip.	(D84508) CDPK-related protein kinase [Zea mays]		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66780	Strand	+
Start	46779	End	49632
Name	OJ991028_11.0120.C3.o7.gs	Method	GENSCAN
Start	46779	End	48506
GI	none	Score	.97
Exons	46779..48506		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66781	Strand	+
Start	50216	End	52703
Name	OJ991028_11.0120.C3.o8.gs	Method	GENSCAN
Start	50216	End	52703
GI	none	Score	.66
Exons	50216..50259, 51264..51920, 52084..52178, 52438..52703		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66781	Strand	+
Start	50216	End	52703
Name	OJ991028_11.0120.C3.o10.np	Method	AAT/NAP
Start	52123	End	52617
GI	2244914	Score	58
Exons	52123..52313, 52349..52617		
GI Descrip.	(Z97339) splicing factor like protein [Arabidopsis thaliana]		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66782	Strand	-
Start	5173	End	5265
Name	OJ991028_11.0120.C3.o3.gp	Method	AAT/GAP
Start	5173	End	5265
GI	uC-osflcyp064a11b1	Score	132
Exons	5173..5265		
GI Descrip.	'951166 2.0e-30 (U31451) invertase [Zea mays]'		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66783	Strand	-
Start	26861	End	27640

Name	OJ991028_11.0120.C3.o4.gs	Method	GENSCAN
Start	26861	End	27640
GI	none	Score	.66
Exons	26861..27151, 27206..27640		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66784	Strand	-
Start	29034	End	30972
Name	OJ991028_11.0120.C3.o3.np	Method	AAT/NAP
Start	29034	End	30972
GI	6815052	Score	110
Exons	29034..29169, 29464..29507, 30944..30972		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66785	Strand	-
Start	43330	End	44981
Name	OJ991028_11.0120.C3.o6.gs	Method	GENSCAN
Start	43330	End	44981
GI	none	Score	.81
Exons	43330..43968, 43974..44190, 44506..44981		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66785	Strand	-
Start	43330	End	44981
Name	OJ991028_11.0120.C3.o5.np	Method	AAT/NAP
Start	43342	End	43875
GI	3719211	Score	304
Exons	43342..43875		
GI Descrip.	(U97021) UIP2 [Arabidopsis thaliana]		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66786	Strand	-
Start	50102	End	50317
Name	OJ991028_11.0120.C3.o8.np	Method	AAT/NAP
Start	50102	End	50317
GI	6069646	Score	76
Exons	50102..50317		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66787	Strand	-
Start	53387	End	58464
Name	OJ991028_11.0120.C3.o9.gs	Method	GENSCAN
Start	53387	End	58464
GI	none	Score	.43
Exons	53387..53521, 54530..54652, 55105..55174, 55422..55699, 55795..55919, 56014..56146, 57074..57335, 57381..57445, 58048..58177, 58427..58464		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66787	Strand	-
Start	53387	End	58464

Name	OJ991028_11.0120.C3.o11.np	Method	AAT/NAP
Start	54445	End	57952
GI	4567285	Score	1308
Exons	54445..54652, 55105..55174, 55422..55699, 55795..55883, 56014..56146, 57074..57363, 57408..57585, 57860..57952		
GI Descrip.	(AC006841) putative xylulose kinase [Arabidopsis thaliana]		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o1.tm	Method	TBLASTX:Maize
Start	1886	End	8997
GI	none	Score	72
Exons	1886..2002, 2315..2431, 2332..2433, 3320..3388, 3471..3611, 3484..3573, 4756..4833, 4763..4819, 4763..4849, 5185..5262, 5187..5261, 5187..5267, 5188..5262, 5369..5485, 5391..5486, 5396..5497, 5602..5853, 5603..5659, 5605..5856, 5606..5854, 5944..6018, 5946..6023, 5947..6018, 7115..7198, 7117..7200, 7279..7359, 7280..7369, 7280..7369, 7505..7582, 7507..7578, 7716..7802, 7720..7791, 7725..7799, 7844..7957, 7866..7943, 7997..8101, 8005..8103, 8005..8100, 8173..8283, 8175..8291, 8180..8281, 8616..8723, 8622..8717, 8630..8740, 8781..8879, 8782..8859, 8796..8879, 8803..8880, 8804..8881, 8974..8997, 8978..8995		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o1.ts	Method	TBLASTX:Soybean
Start	4762	End	8873
GI	none	Score	103
Exons	4762..4833, 4763..4819, 5185..5262, 5187..5267, 5188..5262, 5383..5484, 5390..5497, 5391..5486, 5393..5497, 5602..5697, 5605..5856, 5607..5855, 5800..5865, 5928..6017, 5941..6018, 5969..6019, 7115..7198, 7279..7368, 7280..7363, 7508..7582, 7725..7799, 7730..7801, 7872..7943, 7875..7943, 7877..7957, 7889..7945, 7997..8101, 8005..8112, 8005..8100, 8173..8286, 8175..8291, 8178..8288, 8180..8290, 8589..8717, 8611..8718, 8616..8723, 8782..8856, 8793..8873		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o4.tc	Method	TBLASTX:Cress
Start	4762	End	5775
GI	none	Score	103
Exons	4762..4833, 4763..4819, 5185..5262, 5187..5267, 5188..5262, 5390..5485, 5391..5486, 5605..5775, 5607..5735		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o1.tc	Method	TBLASTX:Cress
Start	5797	End	8291
GI	none	Score	73
Exons	5797..5856, 5805..5855, 5967..6017, 5968..6018, 7112..7198, 7279..7359, 7280..7366, 7508..7582, 7725..7799, 7730..7798,		

7844..7957, 7875..7943, 7889..7945, 7997..8101, 8005..8103,
8005..8100, 8173..8262, 8175..8291, 8180..8281

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o1.tw	Method	TBLASTX:Wheat
Start	7504	End	8257
GI	none	Score	103
Exons	7504..7578, 7505..7582, 7508..7582, 7725..7799, 7730..7801, 7829..7957, 7866..7943, 7997..8101, 8005..8103, 8005..8100, 8173..8256, 8175..8255, 8180..8257, 8180..8257		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o3.tm	Method	TBLASTX:Maize
Start	12652	End	50330
GI	none	Score	39
Exons	12652..12741, 12670..12711, 12730..12924, 12776..12931, 12941..13096, 12956..13099, 12987..13103, 12991..13107, 13098..13223, 13100..13228, 13171..13236, 13211..13351, 50046..50330, 50102..50323		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o2.tw	Method	TBLASTX:Wheat
Start	12871	End	13216
GI	none	Score	139
Exons	12871..12921, 13038..13103, 13097..13216		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o12.tm	Method	TBLASTX:Maize
Start	13462	End	13779
GI	none	Score	107
Exons	13462..13779, 13488..13775		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o3.tw	Method	TBLASTX:Wheat
Start	13710	End	47527
GI	none	Score	53
Exons	13710..13838, 13848..14144, 47362..47397, 47444..47527		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o2.tm	Method	TBLASTX:Maize
Start	13785	End	14339
GI	none	Score	213
Exons	13785..14339, 13792..14241		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3

Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o4.tm	Method	TBLASTX:Maize
Start	17659	End	20037
GI	none	Score	306
Exons	17659..17814, 17660..17926, 17857..17922, 18811..18945, 18813..18911, 18843..18956, 18866..18955, 19337..19417, 19809..19883, 19812..19883, 19813..19884, 19883..19921, 19887..19922, 19887..19919, 19989..20036, 19990..20037, 19991..20035		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o6.tc	Method	TBLASTX:Cress
Start	17762	End	17926
GI	none	Score	211
Exons	17762..17926		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o5.tc	Method	TBLASTX:Cress
Start	18835	End	22292
GI	none	Score	80
Exons	18835..18945, 19337..19417, 19509..19550, 19883..19921, 19989..20072, 19991..20071, 20884..21051, 20885..21088, 22137..22292, 22193..22291		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o3.ts	Method	TBLASTX:Soybean
Start	18849	End	21001
GI	none	Score	143
Exons	18849..18908, 18850..18945, 19337..19417, 19809..19883, 19815..19880, 19856..19882, 19883..19921, 19884..19913, 19885..19920, 19964..20071, 19989..20072, 20884..20991, 20885..21001		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o11.tm	Method	TBLASTX:Maize
Start	20888	End	21061
GI	none	Score	220
Exons	20888..21061, 20888..21025, 20959..21057		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o6.tm	Method	TBLASTX:Maize
Start	22163	End	25507
GI	none	Score	173
Exons	22163..22285, 22164..22289, 23054..23176, 23059..23193, 23061..23174, 23264..23368, 24545..24598, 24546..24632, 25258..25287, 25313..25507, 25325..25501		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o2.tc	Method	TBLASTX:Cress
Start	23061	End	24611
GI	none	Score	167
Exons	23061..23171, 23062..23193, 23257..23370, 23264..23371, 24543..24611		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o2.ts	Method	TBLASTX:Soybean
Start	24543	End	25498
GI	none	Score	88
Exons	24543..24632, 25323..25496, 25323..25496, 25325..25498, 25328..25498		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o3:tc	Method	TBLASTX:Cress
Start	25324	End	25796
GI	none	Score	239
Exons	25324..25497, 25325..25498, 25325..25498, 25613..25795, 25655..25789, 25665..25796		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o9.tm	Method	TBLASTX:Maize
Start	25660	End	25826
GI	none	Score	207
Exons	25660..25821, 25661..25822, 25665..25826		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o8.tm	Method	TBLASTX:Maize
Start	33105	End	33597
GI	none	Score	45
Exons	33105..33143, 33106..33141, 33244..33303, 33246..33293, 33247..33294, 33389..33550, 33390..33596, 33391..33597		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o7.tm	Method	TBLASTX:Maize
Start	33711	End	36251
GI	none	Score	132
Exons	33711..33800, 33715..33804, 33879..33962, 33880..33963, 34034..34105, 34036..34122, 34474..34542, 34474..34542, 34618..34689, 34623..34736, 34624..34695, 34899..35024, 34919..35029, 34919..35026, 35268..35327, 35270..35326, 35276..35335, 35423..35494, 35425..35496, 35432..35494, 36104..36250, 36114..36251, 36116..36241		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o10.tm	Method	TBLASTX:Maize
Start	43345	End	43719
GI	none	Score	76
Exons	43345..43581, 43412..43495, 43672..43719		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o7.tc	Method	TBLASTX:Cress
Start	43345	End	43719
GI	none	Score	65
Exons	43345..43638, 43582..43719		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o4.ts	Method	TBLASTX:Soybean
Start	43345	End	43647
GI	none	Score	194
Exons	43345..43647		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o9.gp	Method	AAT/GAP
Start	60396	End	60869
GI	none	Score	865
Exons	60396..60869		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o5.tm	Method	TBLASTX:Maize
Start	60663	End	61073
GI	none	Score	163
Exons	60663..60773, 60664..60774, 60700..60810, 60862..60906, 60954..61073, 60958..61071		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o12.np	Method	AAT/NAP
Start	60677	End	61075
GI	1769895	Score	306
Exons	60677..61075		
GI Descrip.	(X96598) CaLB protein [Arabidopsis thaliana]		

Seq. No.	32247	Seq. ID	OJ991028_11.0120.C3
Gene No.	66788	Strand	-
Start	60678	End	61151
Name	OJ991028_11.0120.C3.o10.gs	Method	GENSCAN
Start	60678	End	61151
GI	none	Score	.99

Exons	60678..61070, 61140..61151		
Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66789	Strand	+
Start	10880	End	14202
Name	OJ991028_11.0120.C4.o2.np	Method	AAT/NAP
Start	10880	End	14202
GI	6721512	Score	75
Exons	10880..10916, 11503..11562, 12474..12586, 12614..12677, 14179..14202		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66790	Strand	+
Start	14904	End	18390
Name	OJ991028_11.0120.C4.o2.gs	Method	GENSCAN
Start	14904	End	18390
GI	none	Score	.73
Exons	14904..14909, 15067..15198, 15898..15979, 16332..16416, 17414..17584, 18264..18390		
Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66791	Strand	+
Start	19707	End	26794
Name	OJ991028_11.0120.C4.o3.gs	Method	GENSCAN
Start	19707	End	26794
GI	none	Score	.56
Exons	19707..19777, 20341..20474, 21068..21171, 21486..21831, 22269..22347, 22580..22639, 22675..22774, 23862..23953, 24313..24659, 25268..25537, 25751..25846, 26508..26794		
Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66791	Strand	+
Start	19707	End	26794
Name	OJ991028_11.0120.C4.o3.np	Method	AAT/NAP
Start	19909	End	23951
GI	4680199	Score	323
Exons	19909..20129, 20210..20806, 23886..23951		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66791	Strand	+
Start	19707	End	26794
Name	OJ991028_11.0120.C4.o4.np	Method	AAT/NAP
Start	21678	End	25944
GI	6815052	Score	1900
Exons	21678..21831, 21913..21987, 22269..22387, 22675..22774, 23641..23725, 24507..24659, 24708..25440, 25522..25597, 25826..25944		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66792	Strand	+
Start	35429	End	38148
Name	OJ991028_11.0120.C4.o1.gp	Method	AAT/GAP
Start	35429	End	37118
GI	967_1.R1084	Score	838

Exons	35429..35558, 35712..35849, 36829..36905, 36994..37118		
GI Descrip.	'6094330/sp|O48659|SPE2_HYONI 1.0e-150 SPERMIDINE SYNTHASE 2 (PUTRESCINE AMINOPROPYLTRANSFERASE 2) (SPDSY 2) >gi_2821957_dbj_BAA24534_ (AB006691) spermidine synthase 2 [Hyoscyamus niger]'		
Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66792	Strand	+
Start	35429	End	38148
Name	OJ991028_11.0120.C4.o6.np	Method	AAT/NAP
Start	35720	End	38148
GI	6468656	Score	478
Exons	35720..35849, 36829..36905, 36994..37123, 38003..38148		
GI Descrip.	(AJ251298) spermidine synthase 1 [Oryza sativa]		
Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66793	Strand	-
Start	1	End	10422
Name	OJ991028_11.0120.C4.o1.np	Method	AAT/NAP
Start	1	End	10422
GI	2789434	Score	1144
Exons	1..25, 270..454, 3324..3549, 4799..4881, 4962..5042, 5653..5751, 5849..5967, 7253..7373, 8201..8251, 10074..10175, 10318..10422		
GI Descrip.	(AB001389) CLB1 [Lycopersicon esculentum]		
Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66793	Strand	-
Start	1	End	10422
Name	OJ991028_11.0120.C4.o1.gs	Method	GENSCAN
Start	287	End	10422
GI	none	Score	.7
Exons	287..486, 1433..1455, 1580..1644, 3324..3549, 4799..4881, 4962..5042, 5653..5751, 8201..8251, 9100..9195, 10074..10175, 10318..10422		
Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66794	Strand	-
Start	28468	End	34365
Name	OJ991028_11.0120.C4.o2.tm	Method	TBLASTX:Maize
Start	270	End	7331
GI	none	Score	132
Exons	270..416, 284..457, 286..465, 287..460, 3321..3551, 3322..3516, 3323..3550, 3465..3566, 4799..4879, 4801..4881, 4803..4880, 4804..4884, 4957..5043, 4962..5042, 5653..5754, 5654..5752, 5682..5753, 5841..5969, 5846..5971, 5861..5971, 7242..7331, 7242..7328		
Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66794	Strand	-
Start	28468	End	34365
Name	OJ991028_11.0120.C4.o1.tc	Method	TBLASTX:Cress
Start	284	End	10362
GI	none	Score	191
Exons	284..430, 3321..3551, 3322..3519, 4811..4882, 4816..4881, 4957..5043, 4962..5045, 5648..5752, 5650..5754, 5653..5754, 5841..5969, 5846..5971, 5897..5971, 7242..7361, 7242..7376, 8180..8251, 10071..10190, 10072..10176, 10318..10362		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66794	Strand	-
Start	28468	End	34365
Name	OJ991028_11.0120.C4.o1.ts	Method	TBLASTX:Soybean
Start	284	End	5048
GI	none	Score	182
Exons	284..430, 3318..3551, 3319..3552, 3322..3516, 4811..4882, 4816..4884, 4816..4881, 4962..5048		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66794	Strand	-
Start	28468	End	34365
Name	OJ991028_11.0120.C4.o4.tw	Method	TBLASTX:Wheat
Start	3321	End	5009
GI	none	Score	47
Exons	3321..3419, 3351..3413, 3429..3551, 3433..3516, 4819..4881, 4962..5009		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66794	Strand	-
Start	28468	End	34365
Name	OJ991028_11.0120.C4.o4.tm	Method	TBLASTX:Maize
Start	20593	End	20796
GI	none	Score	191
Exons	20593..20796, 20594..20782		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66794	Strand	-
Start	28468	End	34365
Name	OJ991028_11.0120.C4.o2.tw	Method	TBLASTX:Wheat
Start	23960	End	24454
GI	none	Score	81
Exons	23960..24139, 24164..24454		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66794	Strand	-
Start	28468	End	34365
Name	OJ991028_11.0120.C4.o5.np	Method	AAT/NAP
Start	28283	End	33844
GI	5441880	Score	1354
Exons	28283..28527, 28936..29193, 29496..29716, 29815..30115, 30634..30939, 31046..31219, 31788..32084, 32346..32395, 32836..33844		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66794	Strand	-
Start	28468	End	34365
Name	OJ991028_11.0120.C4.o4.gs	Method	GENSCAN
Start	28468	End	34365
GI	none	Score	52
Exons	28468..28477, 28673..28793, 28830..28910, 28954..29158, 29463..29730, 29823..30121, 30214..30982, 31065..31215, 31769..31882, 32219..32517, 32889..34054, 34168..34365		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66794	Strand	-
Start	28468	End	34365
Name	OJ991028_11.0120.C4.o3.tw	Method	TBLASTX:Wheat
Start	30571	End	30900
GI	none	Score	100
Exons	30571..30603, 30640..30675, 30709..30837, 30710..30838, 30844..30897, 30847..30900		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66794	Strand	-
Start	28468	End	34365
Name	OJ991028_11.0120.C4.o1.tw	Method	TBLASTX:Wheat
Start	32597	End	32984
GI	none	Score	71
Exons	32597..32794, 32674..32760, 32693..32770, 32739..32786, 32807..32983, 32834..32983, 32835..32984		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66794	Strand	-
Start	28468	End	34365
Name	OJ991028_11.0120.C4.o1.tm	Method	TBLASTX:Maize
Start	32693	End	33275
GI	none	Score	44
Exons	32693..32773, 32745..32771, 32813..33121, 32817..33122, 33122..33274, 33153..33275		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66795	Strand	
Start	35792	End	37122
Name	OJ991028_11.0120.C4.o3.tm	Method	TBLASTX:Maize
Start	35792	End	37122
GI	none	Score	97
Exons	35792..35866, 35797..35877, 35807..35866, 36827..36904, 36828..36905, 36987..37118, 36988..37122, 36988..37119		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66795	Strand	
Start	35792	End	37122
Name	OJ991028_11.0120.C4.o2.tc	Method	TBLASTX:Cress
Start	35797	End	37122
GI	none	Score	96
Exons	35797..35868, 35807..35866, 36827..36898, 36828..36905, 36828..36905, 36977..37117, 36983..37060, 36985..37119, 36988..37122		

Seq. No.	32248	Seq. ID	OJ991028_11.0120.C4
Gene No.	66795	Strand	
Start	35792	End	37122
Name	OJ991028_11.0120.C4.o2.ts	Method	TBLASTX:Soybean
Start	35797	End	37122
GI	none	Score	98
Exons	35797..35865, 35807..35872, 36827..36898, 36828..36905, 36988..37122, 37003..37116		

Seq. No.	32249	Seq. ID	OJ991028_11.0120.C5

Gene No.	66796	Strand	+
Start	377	End	476
Name	OJ991028_11.0120.C5.o1.gs	Method	GENSCAN
Start	377	End	476
GI	none	Score	.71
Exons	377..476		

Seq. No.	32250	Seq. ID	OJ991008_09.0106.C1
Gene No.	66797	Strand	+
Start	1	End	392
Name	OJ991008_09.0106.C1.o1.np	Method	AAT/NAP
Start	1	End	392
GI	6325267	Score	101
Exons	1..58, 248..392		
GI Descrip.	RNA polymerase I subunit A135; Rpa135p gi|133320|sp|P22138|RPA2_YEAST DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (A135) (RNA POLYMERASE I SUBUNIT 2) gi|101446|pir||A39607 DNA-directed RNA polymerase (EC 2.7.7.6) I 135K chain - yeast (Saccharomyces cerevisiae) gi|172464 (M62804) RNA polymerase I (second largest subunit) [Saccharomyces cerevisiae] gi|887587|		

Seq. No.	32251	Seq. ID	OJ991008_09.0106.C2
Gene No.	66798	Strand	+
Start	1	End	4293
Name	OJ991008_09.0106.C2.o1.np	Method	AAT/NAP
Start	1	End	3161
GI	3914801	Score	788
Exons	1..102, 279..468, 551..626, 1250..1372, 1482..1628, 1939..2151, 2323..2556, 2760..3008, 3039..3161		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (RNA POLYMERASE I SUBUNIT 2) (RPA135) (RNA POLYMERASE I 127 KD SUBUNIT) gi|2739048 (AF025424) RNA polymerase I 127 kDa subunit [Rattus norvegicus]		

Seq. No.	32251	Seq. ID	OJ991008_09.0106.C2
Gene No.	66798	Strand	+
Start	1	End	4293
Name	OJ991008_09.0106.C2.o2.tm	Method	TBLASTX:Maize
Start	360	End	1645
GI	none	Score	145
Exons	360..467, 362..469, 364..468, 525..626, 553..627, 554..625, 1242..1373, 1247..1378, 1247..1372, 1249..1377, 1478..1624, 1479..1625, 1493..1645		

Seq. No.	32251	Seq. ID	OJ991008_09.0106.C2
Gene No.	66798	Strand	+
Start	1	End	4293
Name	OJ991008_09.0106.C2.o1.gs	Method	GENSCAN
Start	365	End	4293
GI	none	Score	.73
Exons	365..468, 551..626, 1250..1372, 1482..1625, 1939..2151, 2323..2556, 2760..3023, 4023..4080, 4169..4293		

Seq. No.	32251	Seq. ID	OJ991008_09.0106.C2
Gene No.	66798	Strand	+
Start	1	End	4293

Name	OJ991008_09.0106.C2.o1.tc	Method	TBLASTX:Cress
Start	1479	End	2364
GI	none	Score	87
Exons	1479..1595, 1941..2147, 1948..2151, 2320..2364		

Seq. No.	32251	Seq. ID	OJ991008_09.0106.C2
Gene No.	66798	Strand	+
Start	1	End	4293
Name	OJ991008_09.0106.C2.o1.ts	Method	TBLASTX:Soybean
Start	2389	End	3110
GI	none	Score	245
Exons	2389..2559, 2391..2558, 2395..2562, 2432..2569, 2754..2933, 2757..2987, 2894..2971, 2964..3110, 2987..3109		

Seq. No.	32251	Seq. ID	OJ991008_09.0106.C2
Gene No.	66798	Strand	+
Start	1	End	4293
Name	OJ991008_09.0106.C2.o1.tm	Method	TBLASTX:Maize
Start	2397	End	3179
GI	none	Score	189
Exons	2397..2558, 2397..2558, 2398..2562, 2407..2559, 2757..3179, 2759..2815, 2775..3164, 2980..3171		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66799	Strand	+
Start	1	End	4091
Name	OJ991008_09.0106.C3.o1.np	Method	AAT/NAP
Start	1	End	4028
GI	4309744	Score	1301
Exons	1..41, 950..1028, 1101..1627, 1735..2049, 2378..2701, 2781..2987, 3065..3151, 3237..3331, 3550..3708, 3766..4028		
GI Descrip.	(AC006439) unknown protein [Arabidopsis thaliana]		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66799	Strand	+
Start	1	End	4091
Name	OJ991008_09.0106.C3.o1.gs	Method	GENSCAN
Start	950	End	4091
GI	none	Score	.84
Exons	950..1021, 1118..1442, 1820..2049, 2107..2199, 2495..2701, 2781..2987, 3065..3151, 3237..3331, 3550..3684, 3770..4091		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66799	Strand	+
Start	1	End	4091
Name	OJ991008_09.0106.C3.o1.gp	Method	AAT/GAP
Start	3646	End	4042
GI	uC-osflcyp084d11a1	Score	420
Exons	3646..3684, 3770..4042		
GI Descrip.	'5103812/gb|AAD39642.1|AC007591_7 4.0e-11 (AC007591) Similar to gb_AJ005073 Alix (ALG-2-interacting protein X) from Mus musculus. ESTs gb_R90133, gb_Z17944 and gb_AA605465 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66800	Strand	+
Start	5343	End	6495

Name	OJ991008_09.0106.C3.o2.gs	Method	GENSCAN
Start	5343	End	6495
GI	none	Score	.95
Exons	5343..5599, 5608..5810, 5994..6156, 6213..6495		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66801	Strand	+
Start	7062	End	9376
Name	OJ991008_09.0106.C3.o3.gs	Method	GENSCAN
Start	7062	End	9376
GI	none	Score	.58
Exons	7062..7193, 7335..7476, 7557..7907, 7965..9376		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66801	Strand	+
Start	7062	End	9376
Name	OJ991008_09.0106.C3.o2.gp	Method	AAT/GAP
Start	7579	End	8094
GI	5004386	Score	872
Exons	7579..8094		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66801	Strand	+
Start	7062	End	9376
Name	OJ991008_09.0106.C3.o2.np	Method	AAT/NAP
Start	8166	End	9355
GI	6598835	Score	529
Exons	8166..9355		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66802	Strand	+
Start	13408	End	15929
Name	OJ991008_09.0106.C3.o4.np	Method	AAT/NAP
Start	13402	End	15929
GI	5103812	Score	1682
Exons	13402..14079, 14749..15609, 15773..15929		
GI Descrip.	(AC007591) Similar to gb|AJ005073 Alix (ALG-2-interacting protein X) from Mus musculus. ESTs gb|R90133, gb|Z17944 and gb|AA605465 come from this gene. [Arabidopsis thaliana]		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66802	Strand	+
Start	13408	End	15929
Name	OJ991008_09.0106.C3.o4.gs	Method	GENSCAN
Start	13408	End	15609
GI	none	Score	.97
Exons	13408..14079, 14659..15609		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66802	Strand	+
Start	13408	End	15929
Name	OJ991008_09.0106.C3.o3.gp	Method	AAT/GAP
Start	14780	End	15004
GI	2427958	Score	381
Exons	14780..15004		
GI Descrip.	5103812/gb|AAD39642.1|AC007591_7 4.0e-11 (AC007591) Similar to		

gb_AJ005073 Alix (ALG-2-interacting protein X) from Mus musculus. ESTs gb_R90133, gb_Z17944 and gb_AA605465 come from this gene. [Arabidopsis thaliana]

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66803	Strand	-
Start	12006	End	15853
Name	OJ991008_09.0106.C3.o2.tm	Method	TBLASTX:Maize
Start	2559	End	10011
GI	none	Score	168
Exons	2559..2702, 2570..2704, 2570..2707, 2771..2980, 2772..2990, 2778..2987, 3059..3151, 3062..3145, 3064..3150, 3234..3281, 3239..3277, 9740..9874, 9744..9839, 9745..9840, 9914..9985, 9915..9986, 9916..10011, 9926..9988, 9988..10008		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66803	Strand	-
Start	12006	End	15853
Name	OJ991008_09.0106.C3.o1.tm	Method	TBLASTX:Maize
Start	5966	End	15853
GI	none	Score	125
Exons	5966..6082, 5989..6033, 13963..14082, 14016..14081, 14634..15329, 14650..15612, 14655..15608, 14656..15612, 15772..15849, 15773..15853		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66803	Strand	-
Start	12006	End	15853
Name	OJ991008_09.0106.C3.o3.ts	Method	TBLASTX:Soybean
Start	5966	End	14907
GI	none	Score	78
Exons	5966..6082, 13996..14082, 14650..14877, 14656..14907, 14715..14897		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66803	Strand	-
Start	12006	End	15853
Name	OJ991008_09.0106.C3.o1.ts	Method	TBLASTX:Soybean
Start	8264	End	9352
GI	none	Score	71
Exons	8264..8464, 8270..8425, 8456..8584, 8489..8581, 8594..9133, 8594..9262, 8594..8932, 8603..8947, 8683..9060, 8693..9352, 8707..8919, 8726..8908, 8900..9262, 8939..9109, 9002..9346		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66803	Strand	-
Start	12006	End	15853
Name	OJ991008_09.0106.C3.o1.tc	Method	TBLASTX:Cress
Start	8276	End	9349
GI	none	Score	89
Exons	8276..8455, 8276..8416, 8393..8557, 8468..8578, 8594..8782, 8599..8781, 8600..8860, 8603..8950, 8639..8860, 8690..9061, 8750..8962, 8764..8919, 8872..9057, 8876..9058, 8891..9058, 8912..9262, 8917..9120, 8972..9187, 9008..9349, 9149..9346, 9290..9349		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3

Gene No.	66803	Strand	-
Start	12006	End	15853
Name	OJ991008_09.0106.C3.o3.tm	Method	TBLASTX:Maize
Start	8276	End	9349
GI	none	Score	76
Exons	8276..8458, 8558..9025, 8627..9130, 8645..8815, 8732..9235, 8829..8984, 8829..9242, 8830..9288, 8831..9340, 8831..9328, 8957..9349		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66803	Strand	-
Start	12006	End	15853
Name	OJ991008_09.0106.C3.o3.np	Method	AAT/NAP
Start	12006	End	15546
GI	5852172	Score	68
Exons	12006..12168, 15490..15546		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66803	Strand	-
Start	12006	End	15853
Name	OJ991008_09.0106.C3.o2.tc	Method	TBLASTX:Cress
Start	13693	End	13911
GI	none	Score	189
Exons	13693..13911, 13707..13895		

Seq. No.	32252	Seq. ID	OJ991008_09.0106.C3
Gene No.	66803	Strand	-
Start	12006	End	15853
Name	OJ991008_09.0106.C3.o2.ts	Method	TBLASTX:Soybean
Start	15277	End	15853
GI	none	Score	195
Exons	15277..15426, 15282..15332, 15283..15423, 15294..15440, 15433..15612, 15441..15608, 15772..15852, 15773..15853		

Seq. No.	32253	Seq. ID	OJ991008_09.0106.C4
Gene No.	66804	Strand	+
Start	315	End	715
Name	OJ991008_09.0106.C4.o1.gs	Method	GENSCAN
Start	315	End	604
GI	none	Score	.84
Exons	315..604		

Seq. No.	32253	Seq. ID	OJ991008_09.0106.C4
Gene No.	66804	Strand	+
Start	315	End	715
Name	OJ991008_09.0106.C4.o1.np	Method	AAT/NAP
Start	315	End	715
GI	1931641	Score	142
Exons	315..423, 460..715		
GI Descrip.	(U95973) unknown protein [Arabidopsis thaliana]		

Seq. No.	32253	Seq. ID	OJ991008_09.0106.C4
Gene No.	66805	Strand	-
Start	313	End	678
Name	OJ991008_09.0106.C4.o1.gp	Method	AAT/GAP
Start	313	End	624

GI	uC-osroM202013c03b1	Score	524
Exons	313..624		
GI Descrip.	'1931641 1.0e-30 (U95973) unknown protein [Arabidopsis thaliana]'		

Seq. No.	32253	Seq. ID	OJ991008_09.0106.C4
Gene No.	66805	Strand	-
Start	313	End	678
Name	OJ991008_09.0106.C4.o1.tm	Method	TBLASTX:Maize
Start	354	End	678
GI	none	Score	288
Exons	354..605, 355..678, 355..603		

Seq. No.	32254	Seq. ID	OJ991008_09.0106.C5
Gene No.	66806	Strand	-
Start	1	End	661
Name	OJ991008_09.0106.C5.o1.np	Method	AAT/NAP
Start	1	End	661
GI	4587533	Score	122
Exons	1..77, 301..393, 503..661		
GI Descrip.	(AC007060) EST gb|AA721821 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	32254	Seq. ID	OJ991008_09.0106.C5
Gene No.	66806	Strand	-
Start	1	End	661
Name	OJ991008_09.0106.C5.o1.gs	Method	GENSCAN
Start	105	End	642
GI	none	Score	.89
Exons	105..195, 503..642		

Seq. No.	32254	Seq. ID	OJ991008_09.0106.C5
Gene No.	66806	Strand	-
Start	1	End	661
Name	OJ991008_09.0106.C5.o1.tm	Method	TBLASTX:Maize
Start	306	End	661
GI	none	Score	62
Exons	306..395, 306..395, 502..660, 542..661		

Seq. No.	32255	Seq. ID	OJ991008_09.0106.C6
Gene No.	66807	Strand	+
Start	58	End	273
Name	OJ991008_09.0106.C6.o1.gp	Method	AAT/GAP
Start	58	End	273
GI	uC-osflcyp081e03b1	Score	339
Exons	58..273		
GI Descrip.	'4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]'		

Seq. No.	32256	Seq. ID	OJ991008_09.0106.C7
Gene No.	66808	Strand	-
Start	550	End	4640
Name	OJ991008_09.0106.C7.o1.gs	Method	GENSCAN
Start	550	End	4640
GI	none	Score	.46
Exons	550..584, 807..1391, 1437..1555, 1680..2297, 3036..3170, 3210..3418, 4532..4640		

Seq. No.	32256	Seq. ID	OJ991008_09.0106.C7
Gene No.	66808	Strand	-
Start	550	End	4640
Name	OJ991008_09.0106.C7.o1.np	Method	AAT/NAP
Start	670	End	3204
GI	5454201	Score	717
Exons	670..2363, 3036..3204		
GI Descrip.	(AC005698) T3P18.15 [Arabidopsis thaliana]		

Seq. No.	32256	Seq. ID	OJ991008_09.0106.C7
Gene No.	66808	Strand	-
Start	550	End	4640
Name	OJ991008_09.0106.C7.o1.ts	Method	TBLASTX:Soybean
Start	691	End	2188
GI	none	Score	67
Exons	691..1158, 763..1386, 850..1293, 862..1575, 931..1566, 956..1282, 1135..1611, 1135..1491, 1144..1611, 1241..1555, 1249..1623, 1250..1525, 1250..1384, 1279..1533, 1294..1467, 1342..1614, 1399..1572, 1409..1579, 1623..1691, 1673..1855, 1722..1841, 1730..1864, 1874..2002, 1877..1993, 1877..1969, 1883..2158, 2033..2188		

Seq. No.	32256	Seq. ID	OJ991008_09.0106.C7
Gene No.	66808	Strand	-
Start	550	End	4640
Name	OJ991008_09.0106.C7.o1.tm	Method	TBLASTX:Maize
Start	709	End	1623
GI	none	Score	148
Exons	709..1023, 710..1021, 955..1113, 1141..1434, 1480..1623		

Seq. No.	32256	Seq. ID	OJ991008_09.0106.C7
Gene No.	66808	Strand	-
Start	550	End	4640
Name	OJ991008_09.0106.C7.o1.tc	Method	TBLASTX:Cress
Start	823	End	2182
GI	none	Score	66
Exons	823..1053, 922..1113, 943..1281, 989..1240, 991..1254, 1036..1386, 1096..1323, 1109..1306, 1135..1491, 1201..1440, 1222..1608, 1318..1527, 1342..1623, 1411..1623, 1682..1864, 1688..1858, 1688..1855, 1688..1819, 1721..1855, 1814..1852, 1880..1990, 1883..1969, 1901..2065, 2003..2182, 2042..2182		

Seq. No.	32256	Seq. ID	OJ991008_09.0106.C7
Gene No.	66808	Strand	-
Start	550	End	4640
Name	OJ991008_09.0106.C7.o2.tm	Method	TBLASTX:Maize
Start	1721	End	2086
GI	none	Score	144
Exons	1721..1966, 1721..1984, 1728..1985, 1976..2086		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66809	Strand	+
Start	4211	End	5016
Name	OJ991008_09.0106.C8.o2.gs	Method	GENSCAN
Start	4211	End	5016
GI	none	Score	.87

Exons	4211..4258, 4966..5016		
Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66810	Strand	+
Start	15474	End	22027
Name	OJ991008_09.0106.C8.o3.np	Method	AAT/NAP
Start	15263	End	22024
GI	6498441	Score	4231
Exons	15263..15309, 18529..18672, 18856..18990, 19165..19505, 19698..20080, 20252..21649, 21743..22024		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66810	Strand	+
Start	15474	End	22027
Name	OJ991008_09.0106.C8.o4.gs	Method	GENSCAN
Start	15474	End	22027
GI	none	Score	.84
Exons	15474..15688, 15719..15780, 15908..16126, 16717..16809, 17205..17325, 17531..17699, 17756..22027		
Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66811	Strand	-
Start	1	End	15334
Name	OJ991008_09.0106.C8.o1.np	Method	AAT/NAP
Start	1	End	15334
GI	6630464	Score	1292
Exons	1..131, 1102..2264, 9610..9800, 11121..12104, 12315..12704, 15307..15334		
GI Descrip.	(AC007190) F23N19.4 [Arabidopsis thaliana]		
Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66811	Strand	-
Start	1	End	15334
Name	OJ991008_09.0106.C8.o1.gs	Method	GENSCAN
Start	349	End	2567
GI	none	Score	.98
Exons	349..504, 1366..2567		
Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66811	Strand	-
Start	1	End	15334
Name	OJ991008_09.0106.C8.o1.gp	Method	AAT/GAP
Start	582	End	870
GI	426253	Score	534
Exons	582..870		
Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66811	Strand	-
Start	1	End	15334
Name	OJ991008_09.0106.C8.o3.gs	Method	GENSCAN
Start	5741	End	13332
GI	none	Score	.63
Exons	5741..5919, 7100..7288, 8097..8180, 9660..9993, 11143..11333, 11751..13332		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66812	Strand	-
Start	22655	End	27634
Name	OJ991008_09.0106.C8.o5.gs	Method	GENSCAN
Start	22655	End	25952
GI	none	Score	.83
Exons	22655..22801, 22894..23055, 23113..24595, 24691..24834, 25033..25419, 25465..25756, 25823..25952		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66812	Strand	-
Start	22655	End	27634
Name	OJ991008_09.0106.C8.o4.np	Method	AAT/NAP
Start	22658	End	25952
GI	5803259	Score	4850
Exons	22658..24323, 24366..24595, 24691..25952		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66812	Strand	-
Start	22655	End	27634
Name	OJ991008_09.0106.C8.o5.np	Method	AAT/NAP
Start	25142	End	27634
GI	5922623	Score	212
Exons	25142..25182, 26768..26843, 27011..27165, 27550..27634		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66813	Strand	-
Start	28799	End	30087
Name	OJ991008_09.0106.C8.o2.gp	Method	AAT/GAP
Start	28799	End	30087
GI	38270_1.R1084	Score	1006
Exons	28799..28975, 29636..29941, 30048..30087		
GI Descrip.	'3559805/emb|CAA07251| 3.0e-21 (AJ006787) putative phytochelatin synthetase [Arabidopsis thaliana]'		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o2.tc	Method	TBLASTX:Cress
Start	1	End	13068
GI	none	Score	61
Exons	1..117, 1091..1252, 1103..1366, 1127..1315, 1130..1369, 1151..1363, 1271..1369, 1374..1541, 1374..1511, 1437..1826, 1521..1646, 1524..1787, 1566..1928, 1641..1829, 1647..2024, 1648..1767, 1779..2141, 1816..2127, 1875..2252, 1878..2024, 1878..2087, 1879..2244, 1906..2049, 1953..2072, 1974..2186, 1989..2255, 2014..2172, 2076..2249, 2076..2252, 2080..2232, 2085..2249, 2154..2234, 2241..2321, 2250..2315, 2271..2309, 2325..2423, 2337..2423, 2349..2423, 2355..2423, 11137..11367, 11140..11472, 11212..11427, 11248..11595, 11303..11554, 11305..11568, 11350..11700, 11440..11637, 11449..11805, 11515..11754, 11536..11922, 11632..11700, 11632..11841,		

11656..12063, 11725..11952, 11734..11820, 11761..12129,
11848..12237, 11912..12205, 11935..12162, 11977..12339,
12052..12240, 12143..12241, 12190..12552, 12227..12487,
12286..12657, 12289..12456, 12317..12460, 12385..12597,
12400..12738, 12425..12583, 12487..12708, 12487..12738,
12491..12643, 12565..12738, 12769..12951, 12769..12876,
12769..12855, 12781..12855, 12889..13068

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o1.ts	Method	TBLASTX:Soybean
Start	1091	End	12888
GI	none	Score	125

Exons 1091..1369, 1100..1366, 1100..1339, 1118..1315, 1178..1369,
1223..1369, 1374..2129, 1497..1538, 1512..1721, 1569..1934,
1674..2252, 1674..2036, 1689..2258, 1827..2000, 1875..2243,
1876..2250, 1989..2258, 2028..2210, 2184..2255, 2250..2312,
2274..2318, 2325..2423, 2325..2423, 11005..11472, 11077..11370,
11092..11700, 11104..11367, 11140..11889, 11176..11610,
11176..11607, 11245..11880, 11449..12225, 11458..12330,
11555..11869, 11564..11698, 11608..11781, 11656..12024,
11678..11806, 11680..12540, 11713..11886, 11714..11893,
11923..12132, 12085..12738, 12085..12441, 12100..12720,
12217..12735, 12286..12654, 12287..12664, 12400..12732,
12415..12732, 12416..12649, 12439..12621, 12520..12738,
12769..12888, 12769..12855

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o1.tm	Method	TBLASTX:Maize
Start	1094	End	12738
GI	none	Score	323

Exons 1094..1366, 1100..1366, 1100..1285, 1202..1366, 1374..1790,
1386..1889, 1497..2000, 1590..2105, 1608..2084, 1648..2106,
1695..2210, 1806..2258, 1912..2076, 11098..11466, 11104..11571,
11152..11676, 11272..11775, 11398..11886, 11524..11991,
11587..12075, 11690..11971, 11692..12201, 11797..12300,
12007..12516, 12019..12498, 12050..12517, 12112..12615,
12217..12720, 12322..12738, 12343..12555, 12363..12518,
12532..12675

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o9.tm	Method	TBLASTX:Maize
Start	2259	End	12960
GI	none	Score	106

Exons 2259..2426, 2260..2424, 12748..12939, 12769..12861,
12769..12933, 12886..12960

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o2.tm	Method	TBLASTX:Maize
Start	5395	End	30816

GI	none	Score	316
Exons	5395..5673, 5395..5673, 6324..6386, 30048..30149, 30048..30149, 30049..30150, 30489..30641, 30495..30560, 30496..30816, 30496..30813, 30497..30814, 30696..30815		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o1.tc	Method	TBLASTX:Cress
Start	5425	End	30907
GI	none	Score	91
Exons	5425..5664, 5445..5648, 5446..5667, 5475..5666, 6273..6482, 30527..30907, 30548..30907		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o8.tm	Method	TBLASTX:Maize
Start	7495	End	7756
GI	none	Score	65
Exons	7495..7557, 7506..7556, 7556..7675, 7556..7675, 7560..7676, 7591..7689, 7658..7756, 7691..7756		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o3.tm	Method	TBLASTX:Maize
Start	9653	End	10410
GI	none	Score	324
Exons	9653..9979, 9657..9980, 9657..9989, 9661..10008, 9835..9996, 10330..10410, 10338..10409		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o7.tm	Method	TBLASTX:Maize
Start	18517	End	18793
GI	none	Score	327
Exons	18517..18783, 18530..18793, 18533..18793		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o4.tw	Method	TBLASTX:Wheat
Start	18532	End	18769
GI	none	Score	343
Exons	18532..18762, 18533..18769, 18533..18763		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o5.tm	Method	TBLASTX:Maize
Start	18820	End	19204
GI	none	Score	359
Exons	18820..19185, 18821..19204		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8

Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o1.tw	Method	TBLASTX:Wheat
Start	18877	End	19297
GI	none	Score	485
Exons	18877..19290, 18878..19297		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o3.ts	Method	TBLASTX:Soybean
Start	18926	End	19327
GI	none	Score	281
Exons	18926..19327, 18973..19116		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o3.tw	Method	TBLASTX:Wheat
Start	19952	End	20386
GI	none	Score	240
Exons	19952..20203, 19952..20176, 20017..20193, 20237..20386, 20248..20385		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o4.ts	Method	TBLASTX:Soybean
Start	20075	End	20641
GI	5666795	Score	68
Exons	20075..20173, 20249..20386, 20441..20641		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o6.tw	Method	TBLASTX:Wheat
Start	20389	End	20701
GI	none	Score	191
Exons	20389..20700, 20441..20701		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o4.tm	Method	TBLASTX:Maize
Start	20894	End	21217
GI	none	Score	364
Exons	20894..21217, 20923..21204		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o2.tw	Method	TBLASTX:Wheat
Start	21031	End	21412
GI	none	Score	378
Exons	21031..21087, 21032..21412, 21128..21373, 21133..21381		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o5.tw	Method	TBLASTX:Wheat
Start	21413	End	22015
GI	none	Score	265
Exons	21413..21697, 21417..21476, 21418..21516, 21553..21723, 21553..21696, 21889..22011, 21890..22015		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o10.tm	Method	TBLASTX:Maize
Start	21884	End	22024
GI	none	Score	186
Exons	21884..22024, 21889..22023		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o6.tm	Method	TBLASTX:Maize
Start	29697	End	29944
GI	none	Score	138
Exons	29697..29933, 29698..29865, 29708..29944, 29712..29939		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o2.ts	Method	TBLASTX:Soybean
Start	29777	End	30150
GI	none	Score	153
Exons	29777..29944, 29778..29939, 29789..29944, 30047..30148, 30048..30149, 30048..30149, 30049..30150, 30052..30150		

Seq. No.	32257	Seq. ID	OJ991008_09.0106.C8
Gene No.	66814	Strand	-
Start	31846	End	32064
Name	OJ991008_09.0106.C8.o3.gp	Method	AAT/GAP
Start	31846	End	32064
GI	2312681	Score	386
Exons	31846..32064		

Seq. No.	32258	Seq. ID	OJ991008_09.0106.C9
Gene No.	66815	Strand	-
Start	1	End	3299
Name	OJ991008_09.0106.C9.o1.np	Method	AAT/NAP
Start	1	End	3299
GI	1931641	Score	409
Exons	1..30, 321..637, 818..946, 1515..1627, 1898..2231, 2585..2699, 3079..3164, 3269..3299		
GI Descrip.	(U95973) unknown protein [Arabidopsis thaliana]		

Seq. No.	32258	Seq. ID	OJ991008_09.0106.C9
Gene No.	66815	Strand	-
Start	1	End	3299
Name	OJ991008_09.0106.C9.o1.gs	Method	GENSCAN
Start	331	End	2684

GI	none	Score	.87
Exons	331..404, 544..637, 818..946, 1515..1627, 1898..2231, 2585..2684		

Seq. No.	32258	Seq. ID	OJ991008_09.0106.C9
Gene No.	66815	Strand	-
Start	1	End	3299
Name	OJ991008_09.0106.C9.o1.tm	Method	TBLASTX:Maize
Start	1891	End	2647
GI	none	Score	322
Exons	1891..2217, 1895..2218, 1895..2227, 1899..2246, 2073..2234, 2567..2647, 2575..2646		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66816	Strand	+
Start	3795	End	4720
Name	OJ991008_09.0106.C10.o1.gp	Method	AAT/GAP
Start	3795	End	4720
GI	1444_2.R1084	Score	1798
Exons	3795..4720		
GI Descrip.	'419742/pir||S30167 8.0e-87 protochlorophyllide reductase (EC 1.3.1.33) precursor - loblolly pine'		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66817	Strand	+
Start	10399	End	18306
Name	OJ991008_09.0106.C10.o3.gs	Method	GENSCAN
Start	10399	End	14396
GI	none	Score	.56
Exons	10399..10947, 11437..11605, 11684..11794, 12329..12457, 12689..12789, 12795..14396		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66817	Strand	+
Start	10399	End	18306
Name	OJ991008_09.0106.C10.o3.np	Method	AAT/NAP
Start	13617	End	18306
GI	6815062	Score	1323
Exons	13617..14433, 18269..18306		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66817	Strand	+
Start	10399	End	18306
Name	OJ991008_09.0106.C10.o4.np	Method	AAT/NAP
Start	13633	End	14406
GI	6815062	Score	1327
Exons	13633..14406		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66817	Strand	+
Start	10399	End	18306
Name	OJ991008_09.0106.C10.o4.gs	Method	GENSCAN

Start	17007	End	18161
GI	none	Score	.47
Exons	17007..17096, 17961..18051, 18145..18161		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66818	Strand	+
Start	20560	End	22055
Name	OJ991008_09.0106.C10.o5.np	Method	AAT/NAP
Start	20560	End	22055
GI	2204226	Score	335
Exons	20560..20631, 20864..20932, 21017..21101, 21200..21241, 21576..21624, 21704..21753, 21850..22055		
GI Descrip.	(Y13848) alpha-galactosidase [Hordeum vulgare]		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66819	Strand	+
Start	22351	End	26041
Name	OJ991008_09.0106.C10.o7.np	Method	AAT/NAP
Start	22351	End	26041
GI	2462832	Score	245
Exons	22351..22469, 24027..24454, 26018..26041		
GI Descrip.	(AF000657) similar to Bacillus CotA [Arabidopsis thaliana]		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66819	Strand	+
Start	22351	End	26041
Name	OJ991008_09.0106.C10.o6.np	Method	AAT/NAP
Start	23329	End	23433
GI	5777617	Score	79
Exons	23329..23433		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66820	Strand	+
Start	31514	End	33702
Name	OJ991008_09.0106.C10.o8.np	Method	AAT/NAP
Start	31514	End	33702
GI	4996640	Score	249
Exons	31514..31650, 33346..33702		
GI Descrip.	(AB028129) Dof zinc finger protein [Oryza sativa]		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66821	Strand	+
Start	39299	End	43714
Name	OJ991008_09.0106.C10.o8.gs	Method	GENSCAN
Start	39299	End	42136
GI	none	Score	.5
Exons	39299..39406, 39567..39818, 41351..41427, 42059..42136		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66821	Strand	+
Start	39299	End	43714
Name	OJ991008_09.0106.C10.o10.np	Method	AAT/NAP
Start	41131	End	43714
GI	6325267	Score	141
Exons	41131..41173, 41304..41427, 41693..41756, 41865..41935, 42059..42117, 42208..42272, 42687..42869, 43113..43375,		

43677..43714
GI Descrip. RNA polymerase I subunit A135; Rpa135p gi|133320|sp|P22138|RPA2_YEAST DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (A135) (RNA POLYMERASE I SUBUNIT 2) gi|101446|pir||A39607 DNA-directed RNA polymerase (EC 2.7.7.6) I 135K chain - yeast (Saccharomyces cerevisiae) gi|172464 (M62804) RNA polymerase I (second largest subunit) [Saccharomyces cerevisiae] gi|887587|

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66822	Strand	-
Start	1	End	2391
Name	OJ991008_09.0106.C10.o1.np	Method	AAT/NAP
Start	1	End	867
GI	6751691	Score	140
Exons	1..42, 386..594, 677..867		
GI Descrip.	(AC018908) unknown protein [Arabidopsis thaliana]		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66822	Strand	-
Start	1	End	2391
Name	OJ991008_09.0106.C10.o1.gs	Method	GENSCAN
Start	463	End	2391
GI	none	Score	.64
Exons	463..1251, 2335..2391		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66823	Strand	-
Start	3063	End	9853
Name	OJ991008_09.0106.C10.o2.gs	Method	GENSCAN
Start	3063	End	9853
GI	none	Score	.47
Exons	3063..3126, 4195..4750, 5350..5881, 7080..7166, 7305..7437, 8828..9110, 9339..9756, 9782..9853		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66823	Strand	-
Start	3063	End	9853
Name	OJ991008_09.0106.C10.o2.np	Method	AAT/NAP
Start	4206	End	7367
GI	1076725	Score	1691
Exons	4206..4717, 5350..5881, 7080..7166, 7305..7367		
GI Descrip.	NADPH dehydrogenase (EC 1.6.99.1) - barley gi|683476|emb|CAA59228| (X84738) NADPH dehydrogenase [Hordeum vulgare]		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66823	Strand	-
Start	3063	End	9853
Name	OJ991008_09.0106.C10.o2.gp	Method	AAT/GAP
Start	5021	End	5632
GI	LIB3431-025-P1-K1-D4	Score	1131
Exons	5021..5632		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 7.0e-30 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10

Gene No.	66824	Strand	-
Start	19540	End	19840
Name	OJ991008_09.0106.C10.o4.gp	Method	AAT/GAP
Start	19540	End	19840
GI	3107675	Score	602
Exons	19540..19840		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o1.tc	Method	TBLASTX:Cress
Start	4206	End	5798
GI	none	Score	326
Exons	4206..4718, 4207..4629, 4675..4746, 5339..5797, 5349..5798		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o1.ts	Method	TBLASTX:Soybean
Start	4206	End	5798
GI	none	Score	46
Exons	4206..4718, 4207..4239, 4306..4629, 4678..4746, 5339..5797, 5349..5798		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o1.tm	Method	TBLASTX:Maize
Start	4206	End	5881
GI	none	Score	42
Exons	4206..4601, 4207..4242, 4306..4563, 4602..4718, 5339..5881, 5340..5867		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o2.tm	Method	TBLASTX:Maize
Start	13658	End	14201
GI	none	Score	147
Exons	13658..13783, 13662..13817, 13836..14201, 13850..14125, 14158..14181		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o4.tm	Method	TBLASTX:Maize
Start	17019	End	21995
GI	none	Score	49
Exons	17019..17069, 17066..17140, 17175..17243, 17216..17239, 17240..17269, 17270..17395, 17273..17368, 17351..17416, 17375..17416, 17480..17524, 17484..17510, 20862..20903, 20865..20966, 20905..20943, 21016..21084, 21016..21084, 21017..21085, 21179..21235, 21199..21234, 21569..21625, 21569..21628, 21703..21756, 21712..21753, 21847..21903, 21848..21904, 21848..21910, 21897..21995, 21905..21973		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10

Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o5.tm	Method	TBLASTX:Maize
Start	33451	End	33583
GI	none	Score	188
Exons	33451..33582, 33467..33583		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o2.tc	Method	TBLASTX:Cress
Start	33454	End	33583
GI	none	Score	194
Exons	33454..33582, 33467..33583		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o4.ts	Method	TBLASTX:Soybean
Start	33454	End	33583
GI	none	Score	193
Exons	33454..33582, 33467..33583		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o3.tm	Method	TBLASTX:Maize
Start	35035	End	35289
GI	none	Score	127
Exons	35035..35289, 35041..35289		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o7.gs	Method	GENSCAN
Start	35035	End	37772
GI	none	Score	.99
Exons	35035..35287, 37362..37567, 37680..37772		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o9.np	Method	AAT/NAP
Start	35062	End	37769
GI	6862951	Score	391
Exons	35062..35287, 37362..37567, 37680..37769		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o3.ts	Method	TBLASTX:Soybean
Start	35077	End	37448
GI	none	Score	103
Exons	35077..35280, 35132..35275, 35173..35289, 37361..37447, 37362..37448		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o1.tw	Method	TBLASTX:Wheat
Start	35084	End	37444
GI	none	Score	120
Exons	35084..35311, 35086..35298, 37361..37444, 37365..37442		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66825	Strand	-
Start	35035	End	37825
Name	OJ991008_09.0106.C10.o6.gp	Method	AAT/GAP
Start	37514	End	37825
GI	2796670	Score	336
Exons	37514..37567, 37680..37825		

Seq. No.	32259	Seq. ID	OJ991008_09.0106.C10
Gene No.	66826	Strand	
Start	41694	End	42755
Name	OJ991008_09.0106.C10.o2.ts	Method	TBLASTX:Soybean
Start	41694	End	42755
GI	none	Score	74
Exons	41694..41756, 41861..41950, 41865..41939, 42056..42136, 42057..42137, 42222..42281, 42227..42268, 42687..42755		

Seq. No.	32260	Seq. ID	OJ991118_02.0104.C2
Gene No.	66827	Strand	+
Start	1	End	143
Name	OJ991118_02.0104.C2.o1.gp	Method	AAT/GAP
Start	1	End	143
GI	none	Score	282
Exons	1..143		

Seq. No.	32260	Seq. ID	OJ991118_02.0104.C2
Gene No.	66828	Strand	-
Start	85	End	1132
Name	OJ991118_02.0104.C2.o1.gs	Method	GENSCAN
Start	85	End	1094
GI	none	Score	.98
Exons	85..620, 713..1094		

Seq. No.	32260	Seq. ID	OJ991118_02.0104.C2
Gene No.	66828	Strand	-
Start	85	End	1132
Name	OJ991118_02.0104.C2.o1.np	Method	AAT/NAP
Start	113	End	1132
GI	3341693	Score	294
Exons	113..965, 1008..1132		
GI Descrip..	(AC003672) unknown protein [Arabidopsis thaliana]		

Seq. No.	32260	Seq. ID	OJ991118_02.0104.C2
Gene No.	66828	Strand	-
Start	85	End	1132
Name	OJ991118_02.0104.C2.o2.tm	Method	TBLASTX:Maize
Start	169	End	324
GI	none	Score	81
Exons	169..324, 173..226		

Seq. No.	32260	Seq. ID	OJ991118_02.0104.C2
Gene No.	66828	Strand	-
Start	85	End	1132
Name	OJ991118_02.0104.C2.o1.ts	Method	TBLASTX:Soybean
Start	181	End	966
GI	none	Score	34
Exons	181..324, 630..677, 700..786, 823..966	724..783, 753..797, 816..941,	

Seq. No.	32260	Seq. ID	OJ991118_02.0104.C2
Gene No.	66828	Strand	-
Start	85	End	1132
Name	OJ991118_02.0104.C2.o2.gp	Method	AAT/GAP
Start	587	End	1005
GI	56734_1.R1084	Score	778
Exons	587..1005		
GI Descrip.	'3341693 3.0e-18 (AC003672) unknown protein [Arabidopsis thaliana]'		

Seq. No.	32260	Seq. ID	OJ991118_02.0104.C2
Gene No.	66828	Strand	-
Start	85	End	1132
Name	OJ991118_02.0104.C2.o1.tm	Method	TBLASTX:Maize
Start	615	End	978
GI	none	Score	89
Exons	615..689, 618..941, 646..978, 865..969		

Seq. No.	32260	Seq. ID	OJ991118_02.0104.C2
Gene No.	66828	Strand	-
Start	85	End	1132
Name	OJ991118_02.0104.C2.o1.tc	Method	TBLASTX:Cress
Start	712	End	960
GI	none	Score	78
Exons	712..789, 753..791, 822..941, 829..960		

Seq. No.	32261	Seq. ID	OJ991118_02.0104.C3
Gene No.	66829	Strand	+
Start	1	End	965
Name	OJ991118_02.0104.C3.o1.np	Method	AAT/NAP
Start	1	End	965
GI	2245107	Score	90
Exons	1..86, 281..343, 772..813, 933..965		
GI Descrip.	(Z97343) thioesterase like protein [Arabidopsis thaliana]		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66830	Strand	+
Start	1	End	4247
Name	OJ991118_02.0104.C4.o1.np	Method	AAT/NAP
Start	1	End	4247
GI	2245107	Score	270
Exons	1..30, 538..660, 1180..1272, 1379..1544, 4174..4247		
GI Descrip.	(Z97343) thioesterase like protein [Arabidopsis thaliana]		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66830	Strand	+
Start	1	End	4247

Name	OJ991118_02.0104.C4.o1.gp	Method	AAT/GAP
Start	538	End	1436
GI	LIB3434-048-P1-K1-H7	Score	478
Exons	538..660, 1180..1272, 1379..1436		
GI Descrip.	'2245107/emb|CAB10529.1| 3.0e-36 (Z97343) thioesterase like protein [Arabidopsis thaliana]'		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66830	Strand	+
Start	1	End	4247
Name	OJ991118_02.0104.C4.o1.gs	Method	GENSCAN
Start	538	End	1564
GI	none	Score	.96
Exons	538..660, 1180..1272, 1379..1564		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66830	Strand	+
Start	1	End	4247
Name	OJ991118_02.0104.C4.o2.gp	Method	AAT/GAP
Start	1573	End	1938
GI	4969077	Score	692
Exons	1573..1938		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66830	Strand	+
Start	1	End	4247
Name	OJ991118_02.0104.C4.o2.np	Method	AAT/NAP
Start	2060	End	2550
GI	3914142	Score	71
Exons	2060..2291, 2411..2550		
GI Descrip.	EARLY NODULIN 20 PRECURSOR (N-20) gi|1771351|emb|CAA67830| (X99467) ENOD20 [Medicago truncatula]		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66830	Strand	+
Start	1	End	4247
Name	OJ991118_02.0104.C4.o2.gs	Method	GENSCAN
Start	2386	End	3886
GI	none	Score	.65
Exons	2386..2557, 2976..3103, 3437..3886		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66831	Strand	+
Start	4302	End	6955
Name	OJ991118_02.0104.C4.o3.gs	Method	GENSCAN
Start	4302	End	6955
GI	none	Score	.49
Exons	4302..5522, 5897..5967, 6413..6548, 6557..6955		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66831	Strand	+
Start	4302	End	6955
Name	OJ991118_02.0104.C4.o3.np	Method	AAT/NAP
Start	4680	End	6923
GI	2213632	Score	794
Exons	4680..5440, 6806..6923		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o3.tm	Method	TBLASTX:Maize
Start	537	End	1517
GI	none	Score	172
Exons	537..659, 538..660, 538..660, 1173..1292, 1180..1290, 1375..1506, 1379..1513, 1440..1517		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o1.tc	Method	TBLASTX:Cress
Start	538	End	1513
GI	none	Score	85
Exons	538..597, 604..660, 1164..1328, 1180..1290, 1378..1512, 1379..1513		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o2.tw	Method	TBLASTX:Wheat
Start	4470	End	4844
GI	none	Score	234
Exons	4470..4844, 4544..4735		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o2.tm	Method	TBLASTX:Maize
Start	4635	End	5063
GI	none	Score	362
Exons	4635..4961, 4643..4960, 4965..5063, 4979..5062		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o1.tw	Method	TBLASTX:Wheat
Start	4979	End	5390
GI	none	Score	204
Exons	4979..5143, 4980..5153, 4986..5153, 5138..5335, 5145..5390, 5253..5378		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o4.tm	Method	TBLASTX:Maize
Start	5064	End	5402
GI	none	Score	231
Exons	5064..5297, 5156..5296, 5337..5402, 5337..5399		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o5.tm	Method	TBLASTX:Maize
Start	7718	End	13095

GI	none	Score	191
Exons	7718..7930, 7731..7922, 7868..7924, 8235..8363, 8244..8330, 8246..8332, 8503..8745, 8518..8739, 9817..9894, 9825..9896, 11067..11126, 11068..11130, 11068..11133, 12347..12451, 12369..12461, 12372..12464, 12373..12465, 12382..12465, 13036..13095, 13039..13086		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o4.gs	Method	GENSCAN
Start	7745	End	15129
GI	none	Score	.81
Exons	7745..7921, 8244..8328, 9826..10001, 11068..11131, 11618..11692, 12370..12464, 12843..12930, 13040..13167, 13826..13957, 14059..14139, 14172..14384, 14482..15129		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o4.np	Method	AAT/NAP
Start	7748	End	15227
GI	2344894	Score	2108
Exons	7748..7921, 8244..8328, 8516..8737, 9826..10001, 11068..11131, 12370..12464, 12843..12930, 13040..13167, 13826..13957, 14059..14139, 14226..14384, 14482..15227		
GI Descrip.	(AC002388) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o1.ts	Method	TBLASTX:Soybean
Start	9817	End	14384
GI	none	Score	187
Exons	9817..10023, 9825..10004, 9888..9983, 11066..11134, 11068..11133, 12840..12935, 12841..12924, 14244..14384		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o3.gp	Method	AAT/GAP
Start	9825	End	10125
GI	426268	Score	581
Exons	9825..10125		
GI Descrip.	2344894 2.0e-17 (AC002388) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32262	Seq. ID	OJ991118_02.0104.C4
Gene No.	66832	Strand	-
Start	7745	End	15227
Name	OJ991118_02.0104.C4.o1.tm	Method	TBLASTX:Maize
Start	9897	End	14843
GI	none	Score	65
Exons	9897..9998, 12840..12938, 12840..12935, 12841..12924, 13830..13916, 13830..13955, 13831..13956, 13841..13957, 14057..14122, 14060..14140, 14101..14133, 14201..14308, 14217..14384, 14218..14385, 14226..14387, 14241..14369,		

14467..14835, 14477..14824, 14523..14843

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66833	Strand	+
Start	7943	End	17251
Name	OJ991118_02.0104.C5.o2.gs	Method	GENSCAN
Start	7943	End	17251
GI	none	Score	.64
Exons	7943..8085, 8134..8182, 8770..8845, 9098..9122, 9715..9943, 10095..10133, 10469..10637, 11655..11887, 11920..12022, 12114..12187, 12816..13790, 13964..14030, 14348..14411, 14509..14602, 14870..14959, 15055..15082, 15464..15943, 16026..16087, 16167..16276, 16361..16448, 16575..16904, 17129..17251		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66833	Strand	+
Start	7943	End	17251
Name	OJ991118_02.0104.C5.o2.gp	Method	AAT/GAP
Start	9608	End	10911
GI	none	Score	1440
Exons	9608..9943, 10095..10133, 10469..10911		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66833	Strand	+
Start	7943	End	17251
Name	OJ991118_02.0104.C5.o1.np	Method	AAT/NAP
Start	13606	End	16857
GI	2245054	Score	695
Exons	13606..13704, 13974..14030, 14348..14411, 14509..14602, 14699..14782, 14870..14959, 15055..15086, 15462..15930, 16167..16220, 16575..16857		
GI Descrip.	(Z97342) kinase like protein [Arabidopsis thaliana]		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66834	Strand	+
Start	18830	End	20903
Name	OJ991118_02.0104.C5.o3.gp	Method	AAT/GAP
Start	18534	End	20903
GI	10410_1.R1084	Score	2263
Exons	18534..19195, 20372..20903		
GI Descrip.	'4455256/emb|CAB36755.1| 1.0e-83 (AL035523) protein-methionine-S-oxide reductase [Arabidopsis thaliana]'		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66834	Strand	+
Start	18830	End	20903
Name	OJ991118_02.0104.C5.o2.np	Method	AAT/NAP
Start	18546	End	20620
GI	6635341	Score	811
Exons	18546..18708, 18830..19195, 20372..20620		
GI Descrip.	(AF162204) methionine sulfoxide reductase [Lactuca sativa]		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66834	Strand	+
Start	18830	End	20903
Name	OJ991118_02.0104.C5.o3.gs	Method	GENSCAN

Start	18830	End	20623
GI	none	Score	.99
Exons	18830..19195, 20372..20623		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66835	Strand	+
Start	27167	End	31344
Name	OJ991118_02.0104.C5.o6.gs	Method	GENSCAN
Start	27167	End	31344
GI	none	Score	.64
Exons	27167..27179, 27580..27748, 28325..28408, 30557..30701, 31186..31344		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66836	Strand	+
Start	32407	End	34104
Name	OJ991118_02.0104.C5.o4.np	Method	AAT/NAP
Start	32407	End	34080
GI	3341694	Score	522
Exons	32407..32760, 33820..34080		
GI Descrip.	(AC003672) putative PREG1-like negative regulator [Arabidopsis thaliana]		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66836	Strand	+
Start	32407	End	34104
Name	OJ991118_02.0104.C5.o7.gs	Method	GENSCAN
Start	32407	End	34104
GI	none	Score	.88
Exons	32407..32756, 33377..33529, 33816..34104		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66837	Strand	+
Start	37273	End	38639
Name	OJ991118_02.0104.C5.o5.np	Method	AAT/NAP
Start	37273	End	38639
GI	4538929	Score	196
Exons	37273..37306, 38343..38639		
GI Descrip.	(AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66837	Strand	+
Start	37273	End	38639
Name	OJ991118_02.0104.C5.o6.gp	Method	AAT/GAP
Start	38269	End	38553
GI	uC-osflcyp139h11b1	Score	546
Exons	38269..38553		
GI Descrip.	'4538929/emb|CAB39665.1| 7.0e-27 (AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]'		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66837	Strand	+
Start	37273	End	38639
Name	OJ991118_02.0104.C5.o8.gs	Method	GENSCAN
Start	38330	End	38635
GI	none	Score	.74

Exons	38330..38635		
Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66838	Strand	-
Start	795	End	5671
Name	OJ991118_02.0104.C5.o1.gp	Method	AAT/GAP
Start	795	End	1270
GI	none	Score	872
Exons	795..1270		
Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66838	Strand	-
Start	795	End	5671
Name	OJ991118_02.0104.C5.o1.gs	Method	GENSCAN
Start	1056	End	5671
GI	none	Score	.88
Exons	1056..1444, 2060..2144, 2242..2358, 5555..5671		
Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66839	Strand	-
Start	21990	End	24282
Name	OJ991118_02.0104.C5.o4.gp	Method	AAT/GAP
Start	21757	End	24282
GI	16860_1.R1084	Score	1408
Exons	21757..22107, 23403..23634, 23929..23977, 24067..24193, 24251..24282		
GI Descrip.	'2498077/sp|P93554|NDK1_SACOF 1.0e-73 NUCLEOSIDE DIPHOSPHATE KINASE I (NDK I) (NDP KINASE I) (PP18) >gi_1777930 (U55019) nucleoside diphosphate kinase [Saccharum officinarum]'		
Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66839	Strand	-
Start	21990	End	24282
Name	OJ991118_02.0104.C5.o4.gs	Method	GENSCAN
Start	21990	End	24123
GI	none	Score	.97
Exons	21990..22107, 23403..23634, 23929..23977, 24067..24123		
Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66839	Strand	-
Start	21990	End	24282
Name	OJ991118_02.0104.C5.o3.np	Method	AAT/NAP
Start	21993	End	24117
GI	2498077	Score	607
Exons	21993..22107, 23403..23634, 23929..23977, 24067..24117		
GI Descrip.	NUCLEOSIDE DIPHOSPHATE KINASE I (NDK I) (NDP KINASE I) (PP18) gi|1777930 (U55019) nucleoside diphosphate kinase [Saccharum officinarum]		
Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o3.ts	Method	TBLASTX:Soybean
Start	1077	End	1291
GI	none	Score	156
Exons	1077..1130, 1119..1286, 1123..1287, 1127..1291		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o4.tc	Method	TBLASTX:Cress
Start	1077	End	1415
GI	none	Score	66
Exons	1077..1130, 1107..1190, 1113..1226, 1126..1227, 1254..1370, 1377..1415		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o1.tm	Method	TBLASTX:Maize
Start	1164	End	3569
GI	none	Score	298
Exons	1164..1445, 1165..1446, 1798..1896, 1804..1899, 1805..1900, 1818..1901, 1898..1918, 2061..2180, 2062..2166, 2236..2460, 2243..2458, 2244..2459, 2245..2460, 3144..3209, 3152..3559, 3153..3557, 3154..3567, 3154..3561, 3249..3569		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o6.ts	Method	TBLASTX:Soybean
Start	3543	End	5686
GI	none	Score	110
Exons	3543..3644, 3545..3646, 3558..3650, 3568..3651, 5541..5672, 5552..5686		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o2.tm	Method	TBLASTX:Maize
Start	11244	End	19165
GI	none	Score	34
Exons	11244..11291, 11284..11391, 18826..19164, 18827..19165		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o2.tw	Method	TBLASTX:Wheat
Start	13716	End	14768
GI	none	Score	82
Exons	13716..13790, 13720..13830, 13961..14038, 13962..14030, 13963..14031, 14103..14174, 14107..14175, 14107..14175, 14108..14176, 14335..14412, 14342..14410, 14347..14439, 14480..14605, 14493..14603, 14510..14605, 14712..14768, 14720..14767		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o6.tm	Method	TBLASTX:Maize
Start	16397	End	16818
GI	none	Score	96
Exons	16397..16459, 16398..16448, 16399..16449, 16596..16817, 16597..16818, 16600..16761, 16601..16813		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o1.tc	Method	TBLASTX:Cress
Start	18908	End	20748
GI	none	Score	418
Exons	18908..19198, 18910..19200, 20359..20619, 20372..20623, 20695..20748		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o1.ts	Method	TBLASTX:Soybean
Start	18908	End	20654
GI	none	Score	411
Exons	18908..19195, 18910..19086, 20344..20619, 20357..20638, 20511..20654		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o3.tm	Method	TBLASTX:Maize
Start	21989	End	24139
GI	none	Score	68
Exons	21989..22060, 21996..22109, 21997..22110, 23399..23635, 23401..23448, 23403..23636, 23930..23977, 23931..23978, 24064..24120, 24068..24139		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o2.tc	Method	TBLASTX:Cress
Start	21990	End	24117
GI	none	Score	121
Exons	21990..22109, 21995..22114, 21997..22110, 21999..22112, 23399..23632, 23403..23630, 23927..23977, 23928..23978, 24064..24117, 24071..24115		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o2.ts	Method	TBLASTX:Soybean
Start	21996	End	24115
GI	none	Score	127
Exons	21996..22109, 21997..22110, 21998..22141, 23399..23632, 23403..23630, 23927..23977, 23928..23978, 24064..24114, 24068..24115		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o1.tw	Method	TBLASTX:Wheat
Start	23433	End	24124
GI	none	Score	277
Exons	23433..23630, 23435..23632, 23916..23978, 23927..23977, 24064..24120, 24067..24120, 24068..24124		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o5.gs	Method	GENSCAN
Start	25642	End	26280
GI	none	Score	1
Exons	25642..26280		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o8.tm	Method	TBLASTX:Maize
Start	25648	End	26169
GI	none	Score	43
Exons	25648..25707, 25653..25688, 25753..25812, 25772..25834, 25951..26169, 25952..26098, 26080..26121		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66840	Strand	-
Start	25642	End	26304
Name	OJ991118_02.0104.C5.o5.gp	Method	AAT/GAP
Start	25925	End	26304
GI	426975	Score	515
Exons	25925..26120, 26198..26304		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66841	Strand	
Start	32347	End	34043
Name	OJ991118_02.0104.C5.o5.tm	Method	TBLASTX:Maize
Start	32347	End	32706
GI	none	Score	39
Exons	32347..32433, 32416..32475, 32544..32630, 32545..32706		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66841	Strand	
Start	32347	End	34043
Name	OJ991118_02.0104.C5.o5.ts	Method	TBLASTX:Soybean
Start	32434	End	32754
GI	none	Score	44
Exons	32434..32475, 32545..32754		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66841	Strand	
Start	32347	End	34043
Name	OJ991118_02.0104.C5.o3.tc	Method	TBLASTX:Cress
Start	32545	End	33969
GI	none	Score	211
Exons	32545..32760, 33820..33969		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66841	Strand	
Start	32347	End	34043
Name	OJ991118_02.0104.C5.o7.tm	Method	TBLASTX:Maize
Start	32707	End	34043
GI	none	Score	64
Exons	32707..32757, 33792..33929, 33817..33993, 33817..33990,		

33864..34043

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66842	Strand	
Start	38467	End	38638
Name	OJ991118_02.0104.C5.o4.tm	Method	TBLASTX:Maize
Start	38467	End	38638
GI	none	Score	287
Exons	38467..38484, 38468..38638, 38492..38521, 38548..38637		

Seq. No.	32263	Seq. ID	OJ991118_02.0104.C5
Gene No.	66842	Strand	
Start	38467	End	38638
Name	OJ991118_02.0104.C5.o4.ts	Method	TBLASTX:Soybean
Start	38468	End	38638
GI	none	Score	239
Exons	38468..38638, 38551..38637		

Seq. No.	32264	Seq. ID	OJ991118_02.0104.C6
Gene No.	66843	Strand	+
Start	268	End	7962
Name	OJ991118_02.0104.C6.o1.gp	Method	AAT/GAP
Start	268	End	726
GI	700729	Score	709
Exons	268..425, 503..726		
GI Descrip.	4538929/emb|CAB39665.1| 7.0e-27 (AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	32264	Seq. ID	OJ991118_02.0104.C6
Gene No.	66843	Strand	+
Start	268	End	7962
Name	OJ991118_02.0104.C6.o1.np	Method	AAT/NAP
Start	269	End	1478
GI	4538929	Score	388
Exons	269..428, 503..746, 985..1478		
GI Descrip.	(AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	32264	Seq. ID	OJ991118_02.0104.C6
Gene No.	66843	Strand	+
Start	268	End	7962
Name	OJ991118_02.0104.C6.o1.gs	Method	GENSCAN
Start	271	End	5200
GI	none	Score	.81
Exons	271..425, 503..775, 1008..1202, 1293..1449, 3479..3658, 4054..4319, 5093..5200		

Seq. No.	32264	Seq. ID	OJ991118_02.0104.C6
Gene No.	66843	Strand	+
Start	268	End	7962
Name	OJ991118_02.0104.C6.o2.np	Method	AAT/NAP
Start	4779	End	7962
GI	5852093	Score	99
Exons	4779..4835, 6159..6265, 7887..7962		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	32264	Seq. ID	OJ991118_02.0104.C6

Gene No.	66843	Strand	+
Start	268	End	7962
Name	OJ991118_02.0104.C6.o2.gs	Method	GENSCAN
Start	6563	End	7741
GI	none	Score	.58
Exons	6563..6664, 7580..7741		

Seq. No.	32264	Seq. ID	OJ991118_02.0104.C6
Gene No.	66844	Strand	-
Start	1420	End	1793
Name	OJ991118_02.0104.C6.o1.tm	Method	TBLASTX:Maize
Start	248	End	1485
GI	none	Score	125
Exons	248..424, 261..434, 267..434, 489..722, 491..742, 503..754, 504..749, 1002..1202, 1005..1202, 1028..1204, 1284..1340, 1284..1334, 1292..1339, 1334..1426, 1336..1428, 1336..1428, 1426..1485, 1442..1483		

Seq. No.	32264	Seq. ID	OJ991118_02.0104.C6
Gene No.	66844	Strand	-
Start	1420	End	1793
Name	OJ991118_02.0104.C6.o2.ts	Method	TBLASTX:Soybean
Start	285	End	1202
GI	none	Score	123
Exons	285..419, 1002..1202, 1028..1186		

Seq. No.	32264	Seq. ID	OJ991118_02.0104.C6
Gene No.	66844	Strand	-
Start	1420	End	1793
Name	OJ991118_02.0104.C6.o2.gp	Method	AAT/GAP
Start	1420	End	1793
GI	none	Score	696
Exons	1420..1793		

Seq. No.	32264	Seq. ID	OJ991118_02.0104.C6
Gene No.	66845	Strand	
Start	3532	End	4819
Name	OJ991118_02.0104.C6.o2.tm	Method	TBLASTX:Maize
Start	3532	End	4819
GI	none	Score	50
Exons	3532..3567, 3534..3569, 3653..3730, 3654..3734, 3663..3731, 4064..4156, 4075..4158, 4077..4154, 4240..4338, 4242..4337, 4731..4808, 4733..4819, 4734..4790		

Seq. No.	32264	Seq. ID	OJ991118_02.0104.C6
Gene No.	66845	Strand	
Start	3532	End	4819
Name	OJ991118_02.0104.C6.o1.ts	Method	TBLASTX:Soybean
Start	3663	End	4807
GI	none	Score	81
Exons	3663..3734, 4075..4158, 4077..4154, 4240..4338, 4242..4337, 4733..4807, 4734..4793		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66846	Strand	+
Start	3408	End	3878
Name	OJ991118_02.0104.C7.o1.gs	Method	GENSCAN

Start	3408	End	3878
GI	none	Score	.46
Exons	3408..3878		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66847	Strand	-
Start	1	End	324
Name	OJ991118_02.0104.C7.o1.gp	Method	AAT/GAP
Start	1	End	324
GI	none	Score	644
Exons	1..324		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66848	Strand	-
Start	3236	End	3928
Name	OJ991118_02.0104.C7.o2.gp	Method	AAT/GAP
Start	3236	End	3928
GI	7818_1.R1084	Score	1331
Exons	3236..3928		
GI Descrip.	'3123264/sp|P51419|RL27_ARATH 7.0e-59 60S RIBOSOMAL PROTEIN L27 >gi_2244857_emb_CAB10279.1_ (Z97337) ribosomal protein [Arabidopsis thaliana]'		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66848	Strand	-
Start	3236	End	3928
Name	OJ991118_02.0104.C7.o1.np	Method	AAT/NAP
Start	3465	End	3872
GI	3123264	Score	569
Exons	3465..3872		
GI Descrip.	60S RIBOSOMAL PROTEIN L27 gi|2244857|emb|CAB10279.1| (Z97337) ribosomal protein [Arabidopsis thaliana]		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66849	Strand	-
Start	4569	End	8187
Name	OJ991118_02.0104.C7.o2.gs	Method	GENSCAN
Start	4569	End	7983
GI	none	Score	.8
Exons	4569..4838, 5227..5397, 5796..6072, 6360..6637, 7642..7983		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66849	Strand	-
Start	4569	End	8187
Name	OJ991118_02.0104.C7.o2.np	Method	AAT/NAP
Start	4584	End	8187
GI	2398679	Score	1721
Exons	4584..4838, 5152..5397, 5796..6072, 6360..6637, 7642..8187		
GI Descrip.	(Y14797) 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase [Morinda citrifolia]		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o2.tm	Method	TBLASTX:Maize
Start	1049	End	6075
GI	none	Score	61

Exons	1049..1117, 1058..1120, 1140..1193, 1141..1194, 5131..5400, 5150..5401, 5156..5353, 5161..5400, 5781..6074, 5791..6075		
Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o2.tc	Method	TBLASTX:Cress
Start	1052	End	7965
GI	none	Score	53
Exons	1052..1117, 1058..1120, 1140..1193, 1141..1206, 4597..4836, 4611..4844, 5131..5400, 5153..5353, 5781..6074, 5791..6075, 6351..6638, 6355..6639, 6356..6640, 6359..6646, 7639..7965, 7640..7762, 7642..7836		
Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o2.ts	Method	TBLASTX:Soybean
Start	1058	End	7812
GI	none	Score	59
Exons	1058..1120, 1059..1118, 1140..1193, 1141..1194, 4602..4844, 4643..4822, 4657..4836, 5131..5400, 5153..5353, 5781..6074, 5787..6074, 5791..6075, 6348..6638, 6355..6627, 6356..6640, 6359..6646, 7639..7812, 7640..7762, 7642..7767		
Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o1.ts	Method	TBLASTX:Soybean
Start	3457	End	3873
GI	none	Score	127
Exons	3457..3612, 3459..3590, 3594..3872, 3595..3873		
Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o1.tc	Method	TBLASTX:Cress
Start	3462	End	3878
GI	none	Score	120
Exons	3462..3578, 3463..3612, 3588..3878, 3589..3873		
Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o1.tm	Method	TBLASTX:Maize
Start	3462	End	3873
GI	none	Score	101
Exons	3462..3590, 3464..3526, 3466..3585, 3568..3873, 3582..3872		
Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o1.tw	Method	TBLASTX:Wheat
Start	3624	End	3873
GI	none	Score	351
Exons	3624..3872, 3625..3873		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o3.tm	Method	TBLASTX:Maize
Start	4602	End	8037
GI	none	Score	100
Exons	4602..4844, 4641..4823, 4657..4836, 4883..4924, 6351..6674, 6359..6646, 7622..7762, 7639..8037, 7642..7836, 7832..7945		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o2.tw	Method	TBLASTX:Wheat
Start	4722	End	5397
GI	none	Score	78
Exons	4722..4820, 4723..4803, 4883..4933, 5125..5397, 5153..5335		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o3.gp	Method	AAT/GAP
Start	9435	End	10844
GI	200_1.R1084	Score	1342
Exons	9435..9875, 10141..10239, 10344..10448, 10750..10844		
GI Descrip.	'1669573/dbj|BAA13608| 1.0e-176 (D88399) endosperm kinase [Oryza sativa]'		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o3.gs	Method	GENSCAN
Start	9615	End	10448
GI	none	Score	.91
Exons	9615..9875, 10141..10239, 10344..10448		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o3.np	Method	AAT/NAP
Start	9618	End	10844
GI	1944000	Score	831
Exons	9618..9875, 10141..10239, 10344..10448, 10750..10844		
GI Descrip.	(AB002109) protein kinase [Oryza sativa]		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o4.tm	Method	TBLASTX:Maize
Start	9630	End	10845
GI	none	Score	59
Exons	9630..9695, 9711..9878, 9712..9876, 10140..10238, 10141..10239, 10141..10248, 10142..10240, 10339..10452, 10344..10451, 10733..10843, 10744..10845, 10754..10843		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858

Name	OJ991118_02.0104.C7.o3.ts	Method	TBLASTX:Soybean
Start	9720	End	10858
GI	none	Score	46
Exons	9720..9881, 9721..9756, 9814..9876, 9822..9878, 10138..10242, 10138..10242, 10335..10451, 10341..10442, 10342..10452, 10360..10455, 10744..10845, 10750..10845, 10754..10858		

Seq. No.	32265	Seq. ID	OJ991118_02.0104.C7
Gene No.	66850	Strand	-
Start	9615	End	10858
Name	OJ991118_02.0104.C7.o3.tc	Method	TBLASTX:Cress
Start	10138	End	10479
GI	none	Score	67
Exons	10138..10242, 10139..10240, 10323..10469, 10324..10479		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66851	Strand	+
Start	4038	End	4351
Name	OJ991118_02.0104.C8.o2.gp	Method	AAT/GAP
Start	4038	End	4351
GI	86158_1.R1084	Score	387
Exons	4038..4165, 4190..4351		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66852	Strand	+
Start	4736	End	5190
Name	OJ991118_02.0104.C8.o3.gp	Method	AAT/GAP
Start	4736	End	5190
GI	36280_1.R1084	Score	866
Exons	4736..5190		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66853	Strand	+
Start	6884	End	7319
Name	OJ991118_02.0104.C8.o5.gp	Method	AAT/GAP
Start	6884	End	7319
GI	uC-osflM2020118f01a1	Score	809
Exons	6884..7319		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66854	Strand	-
Start	1	End	2985
Name	OJ991118_02.0104.C8.o1.gp	Method	AAT/GAP
Start	1	End	1035
GI	200_1.R1084	Score	694
Exons	1..33, 126..179, 268..369, 636..710, 913..1035		
GI Descrip.	'1669573/dbj|BAA13608| 1.0e-176 (D88399) endosperm kinase [Oryza		

sativa]'

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66854	Strand	-
Start	1	End	2985
Name	OJ991118_02.0104.C8.o1.np	Method	AAT/NAP
Start	1	End	1035
GI	1669573	Score	548
Exons	1..33, 126..179, 268..369, 636..710, 913..1035		
GI Descrip.	(D88399) endosperm kinase [Oryza sativa]		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66854	Strand	-
Start	1	End	2985
Name	OJ991118_02.0104.C8.o1.gs	Method	GENSCAN
Start	636	End	2985
GI	none	Score	.93
Exons	636..710, 913..1042, 1208..1337, 2185..2344, 2983..2985		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o3.tc	Method	TBLASTX:Cress
Start	1	End	1030
GI	none	Score	36
Exons	1..48, 2..31, 126..179, 136..180, 259..375, 269..370, 633..713, 634..711, 910..1029, 920..1030		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o4.tw	Method	TBLASTX:Wheat
Start	1	End	372
GI	none	Score	60
Exons	1..48, 126..179, 130..180, 259..372, 269..370		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o4.ts	Method	TBLASTX:Soybean
Start	1	End	1029
GI	none	Score	45
Exons	1..48, 2..31, 126..179, 130..180, 132..185, 259..375, 264..344, 269..370, 625..711, 633..713, 634..711, 910..1029		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o7.tm	Method	TBLASTX:Maize
Start	1	End	1053
GI	none	Score	52
Exons	1..51, 1..48, 110..175, 126..179, 130..177, 268..375, 269..370, 625..711, 633..713, 634..711, 910..1035, 910..1053, 914..1036		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141

Name	OJ991118_02.0104.C8.o2.gs	Method	GENSCAN
Start	4359	End	7828
GI	none	Score	.67
Exons	4359..7828		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o2.np	Method	AAT/NAP
Start	4362	End	8141
GI	5295971	Score	5936
Exons	4362..8141		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o3.ts	Method	TBLASTX:Soybean
Start	4386	End	5036
GI	none	Score	51
Exons	4386..4619, 4519..4605, 4674..4862, 4702..4863, 4875..5036		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o1.tc	Method	TBLASTX:Cress
Start	4395	End	5057
GI	none	Score	101
Exons	4395..4613, 4399..4605, 4680..4760, 4684..4761, 4770..5057, 4771..4863, 4885..4995		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o3.tm	Method	TBLASTX:Maize
Start	4396	End	4785
GI	none	Score	343
Exons	4396..4782, 4398..4703, 4398..4784, 4520..4753, 4678..4785		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o5.tw	Method	TBLASTX:Wheat
Start	4425	End	4844
GI	none	Score	65
Exons	4425..4628, 4438..4605, 4674..4844, 4684..4761		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o8.tm	Method	TBLASTX:Maize
Start	4791	End	4974
GI	none	Score	122
Exons	4791..4973, 4792..4974		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o6.tw	Method	TBLASTX:Wheat
Start	4878	End	5189
GI	none	Score	64
Exons	4878..5057, 5082..5189		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o2.tm	Method	TBLASTX:Maize
Start	4974	End	5363
GI	none	Score	459
Exons	4974..5363, 4974..5363		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o1.tw	Method	TBLASTX:Wheat
Start	5190	End	5745
GI	none	Score	80
Exons	5190..5414, 5400..5744, 5424..5591, 5656..5745		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o2.ts	Method	TBLASTX:Soybean
Start	5415	End	5912
GI	5509260	Score	130
Exons	5415..5912, 5434..5592, 5656..5832		
GI Descrip.	-		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o4.tc	Method	TBLASTX:Cress
Start	5526	End	5790
GI	none	Score	60
Exons	5526..5696, 5526..5789, 5659..5790		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o4.tm	Method	TBLASTX:Maize
Start	5565	End	5861
GI	none	Score	181
Exons	5565..5861, 5566..5835		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o1.ts	Method	TBLASTX:Soybean
Start	6363	End	6842
GI	none	Score	66
Exons	6363..6509, 6534..6842, 6546..6806, 6547..6837		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o2.tc	Method	TBLASTX:Cress
Start	6387	End	6827
GI	none	Score	60
Exons	6387..6509, 6531..6827, 6541..6687, 6745..6777		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o1.tm	Method	TBLASTX:Maize
Start	6447	End	6873
GI	none	Score	538
Exons	6447..6842, 6447..6869, 6448..6873		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o4.gp	Method	AAT/GAP
Start	6520	End	6875
GI	uC-osf1cyp139c12a1	Score	589
Exons	6520..6875		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o3.tw	Method	TBLASTX:Wheat
Start	6525	End	7076
GI	none	Score	42
Exons	6525..6605, 6538..6609, 6612..6878, 6712..6861, 6936..7076		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o5.ts	Method	TBLASTX:Soybean
Start	6936	End	7211
GI	none	Score	194
Exons	6936..7211, 7035..7115		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o2.tw	Method	TBLASTX:Wheat
Start	7149	End	7602
GI	none	Score	53
Exons	7149..7241, 7149..7229, 7209..7598, 7236..7601, 7297..7602		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o6.tm	Method	TBLASTX:Maize
Start	7272	End	7512

GI	none	Score	262
Exons	7272..7511, 7273..7512		

Seq. No.	32266	Seq. ID	OJ991118_02.0104.C8
Gene No.	66855	Strand	-
Start	4359	End	8141
Name	OJ991118_02.0104.C8.o5.tm	Method	TBLASTX:Maize
Start	7527	End	7844
GI	none	Score	355
Exons	7527..7844, 7527..7706, 7628..7843		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o1.gs	Method	GENSCAN
Start	222	End	3295
GI	none	Score	.61
Exons	222..974, 1160..1336, 2394..2581, 2725..3295		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o1.tc	Method	TBLASTX:Cress
Start	222	End	2882
GI	none	Score	138
Exons	222..458, 223..453, 471..593, 472..534, 636..662, 636..659, 663..719, 777..926, 792..929, 933..1010, 934..1011, 1118..1342, 1119..1238, 2389..2460, 2394..2459, 2478..2594, 2479..2580, 2726..2881, 2781..2882		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o4.tm	Method	TBLASTX:Maize
Start	222	End	342
GI	none	Score	116
Exons	222..341, 222..341, 223..342		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o1.np	Method	AAT/NAP
Start	225	End	3369
GI	2317905	Score	1107
Exons	225..614, 687..1020, 1113..1192, 1265..1336, 2394..2581, 2725..2968, 3017..3118, 3149..3369		
GI Descrip.	(U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o1.gp	Method	AAT/GAP
Start	304	End	596
GI	5803362	Score	542
Exons	304..596		
GI Descrip.	2317905 1.0e-25 (U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o1.ts	Method	TBLASTX:Soybean
Start	315	End	717
GI	5508980	Score	114
Exons	315..449, 316..450, 477..572, 555..716, 598..717		
GI Descrip.	2317905 1.0e-24 (U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o2.tm	Method	TBLASTX:Maize
Start	519	End	707
GI	none	Score	166
Exons	519..707, 519..707		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o1.tm	Method	TBLASTX:Maize
Start	709	End	1336
GI	none	Score	333
Exons	709..1020, 711..1010, 713..1012, 1107..1313, 1111..1155, 1112..1336		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o2.np	Method	AAT/NAP
Start	778	End	3369
GI	2317905	Score	756
Exons	778..1020, 1113..1192, 1265..1336, 2394..2581, 2725..2968, 3017..3118, 3149..3369		
GI Descrip.	(U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o2.ts	Method	TBLASTX:Soybean
Start	867	End	2905
GI	none	Score	90
Exons	867..938, 933..1010, 934..1011, 938..1015, 1121..1342, 1125..1313, 1168..1338, 2389..2520, 2394..2459, 2478..2582, 2696..2905, 2781..2888		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o2.gp	Method	AAT/GAP
Start	877	End	2879
GI	5005405	Score	1309
Exons	877..1020, 1113..1336, 2394..2581, 2725..2879		
GI Descrip.	600855 6.0e-54 (U17887) bZIP protein [Arabidopsis thaliana]		

Seq. No.	32267	Seq. ID	OJ991118_02.0104.C10
Gene No.	66856	Strand	-
Start	222	End	3369
Name	OJ991118_02.0104.C10.o3.tm	Method	TBLASTX:Maize
Start	3086	End	3365
GI	none	Score	158
Exons	3086..3115, 3170..3346, 3171..3356, 3345..3365		

Seq. No.	32268	Seq. ID	OJ991118_02.0104.C12
Gene No.	66857	Strand	-
Start	1105	End	2335
Name	OJ991118_02.0104.C12.o1.np	Method	AAT/NAP
Start	1105	End	2335
GI	6815099	Score	83
Exons	1105..1224, 2288..2335		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32269	Seq. ID	OJ991118_02.0104.C13
Gene No.	66858	Strand	+
Start	2914	End	3253
Name	OJ991118_02.0104.C13.o1.gp	Method	AAT/GAP
Start	2914	End	3253
GI	none	Score	641
Exons	2914..3253		

Seq. No.	32269	Seq. ID	OJ991118_02.0104.C13
Gene No.	66859	Strand	+
Start	3200	End	4243
Name	OJ991118_02.0104.C13.o1.np	Method	AAT/NAP
Start	3200	End	4243
GI	2344900	Score	213
Exons	3200..3416, 3556..3654, 4124..4243		
GI Descrip.	(AC002388) putative ethylene response element binding protein (EREBP) [Arabidopsis thaliana]		

Seq. No.	32269	Seq. ID	OJ991118_02.0104.C13
Gene No.	66860	Strand	+
Start	4791	End	8023
Name	OJ991118_02.0104.C13.o3.gs	Method	GENSCAN
Start	4791	End	6596
GI	none	Score	.87
Exons	4791..4920, 5871..5994, 6012..6386, 6428..6596		

Seq. No.	32269	Seq. ID	OJ991118_02.0104.C13
Gene No.	66860	Strand	+
Start	4791	End	8023
Name	OJ991118_02.0104.C13.o3.gp	Method	AAT/GAP
Start	6290	End	8023
GI	LIB3433-046-P1-K1-G6	Score	385
Exons	6290..6386, 6508..6592, 7743..7794, 7890..7910, 7997..8023		
GI Descrip.	'3063637 9.0e-11 (AF056204) thioesterase homolog [Gossypium hirsutum]'		

Seq. No.	32269	Seq. ID	OJ991118_02.0104.C13
Gene No.	66861	Strand	-
Start	840	End	953
Name	OJ991118_02.0104.C13.o1.gs	Method	GENSCAN

Start	840	End	953
GI	none	Score	.89
Exons	840..953		

Seq. No.	32269	Seq. ID	OJ991118_02.0104.C13
Gene No.	66862	Strand	-
Start	2328	End	4056
Name	OJ991118_02.0104.C13.o2.gs	Method	GENSCAN
Start	2328	End	3727
GI	none	Score	.97
Exons	2328..2404, 2953..3727		

Seq. No.	32269	Seq. ID	OJ991118_02.0104.C13
Gene No.	66862	Strand	-
Start	2328	End	4056
Name	OJ991118_02.0104.C13.o1.tc	Method	TBLASTX:Cress
Start	3218	End	3406
GI	none	Score	227
Exons	3218..3406, 3238..3402		

Seq. No.	32269	Seq. ID	OJ991118_02.0104.C13
Gene No.	66862	Strand	-
Start	2328	End	4056
Name	OJ991118_02.0104.C13.o1.tm	Method	TBLASTX:Maize
Start	3218	End	3412
GI	none	Score	249
Exons	3218..3412, 3223..3402		

Seq. No.	32269	Seq. ID	OJ991118_02.0104.C13
Gene No.	66862	Strand	-
Start	2328	End	4056
Name	OJ991118_02.0104.C13.o1.ts	Method	TBLASTX:Soybean
Start	3221	End	3412
GI	none	Score	229
Exons	3221..3412, 3238..3318		

Seq. No.	32269	Seq. ID	OJ991118_02.0104.C13
Gene No.	66862	Strand	-
Start	2328	End	4056
Name	OJ991118_02.0104.C13.o2.gp	Method	AAT/GAP
Start	3577	End	4056
GI	none	Score	885
Exons	3577..4056		

Seq. No.	32270	Seq. ID	OJ991208_01.0110.C2
Gene No.	66863	Strand	+
Start	31	End	3887
Name	OJ991208_01.0110.C2.o1.gs	Method	GENSCAN
Start	31	End	3887
GI	none	Score	.52
Exons	31..64, 1138..1477, 1482..1614, 1961..2059, 2836..2922, 3638..3727, 3819..3887		

Seq. No.	32270	Seq. ID	OJ991208_01.0110.C2
Gene No.	66863	Strand	+
Start	31	End	3887
Name	OJ991208_01.0110.C2.o1.gp	Method	AAT/GAP

Start	3747	End	3825
GI	5004566	Score	129
Exons	3747..3825		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	32271	Seq. ID	OJ991208_01.0110.C3
Gene No.	66864	Strand	+
Start	4453	End	4521
Name	OJ991208_01.0110.C3.o1.gp	Method	AAT/GAP
Start	4453	End	4521
GI	LIB3477-003-P1-K1-E9	Score	100
Exons	4453..4521		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32271	Seq. ID	OJ991208_01.0110.C3
Gene No.	66865	Strand	-
Start	607	End	1631
Name	OJ991208_01.0110.C3.o1.gs	Method	GENSCAN
Start	607	End	1631
GI	none	Score	.5
Exons	607..636, 1476..1631		

Seq. No.	32271	Seq. ID	OJ991208_01.0110.C3
Gene No.	66866	Strand	-
Start	2954	End	6151
Name	OJ991208_01.0110.C3.o2.gs	Method	GENSCAN
Start	2954	End	6021
GI	none	Score	.61
Exons	2954..2978, 3308..3544, 3989..4156, 5471..5536, 5909..6021		

Seq. No.	32271	Seq. ID	OJ991208_01.0110.C3
Gene No.	66866	Strand	-
Start	2954	End	6151
Name	OJ991208_01.0110.C3.o2.gp	Method	AAT/GAP
Start	4995	End	5671
GI	uC-osf1cyp121a01b1	Score	884
Exons	4995..5235, 5429..5671		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	32271	Seq. ID	OJ991208_01.0110.C3
Gene No.	66866	Strand	-
Start	2954	End	6151
Name	OJ991208_01.0110.C3.o1.tm	Method	TBLASTX:Maize
Start	5908	End	6151
GI	none	Score	120
Exons	5908..6021, 5921..6022, 6106..6150, 6107..6151		

Seq. No.	32272	Seq. ID	OJ991208_01.0110.C4
Gene No.	66867	Strand	+
Start	516	End	1586
Name	OJ991208_01.0110.C4.o1.gp	Method	AAT/GAP
Start	516	End	1586
GI	LIB3477-003-P1-K1-E9	Score	157

Exons	516..584, 1553..1586		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	32273	Seq. ID	OJ991208_01.0110.C5
Gene No.	66868	Strand	-
Start	30	End	1935
Name	OJ991208_01.0110.C5.o1.gs	Method	GENSCAN
Start	30	End	1932
GI	none	Score	.82
Exons	30..125, 513..603, 724..1052, 1350..1461, 1762..1932		
Seq. No.	32273	Seq. ID	OJ991208_01.0110.C5
Gene No.	66868	Strand	-
Start	30	End	1935
Name	OJ991208_01.0110.C5.o1.tm	Method	TBLASTX:Maize
Start	34	End	1062
GI	none	Score	145
Exons	34..126, 35..127, 502..597, 511..615, 512..601, 513..617, 724..945, 725..946, 726..938, 827..946, 897..995, 1002..1055, 1002..1055, 1003..1062		
Seq. No.	32273	Seq. ID	OJ991208_01.0110.C5
Gene No.	66868	Strand	-
Start	30	End	1935
Name	OJ991208_01.0110.C5.o2.tm	Method	TBLASTX:Maize
Start	1645	End	1935
GI	none	Score	57
Exons	1645..1689, 1646..1690, 1762..1935, 1766..1933		
Seq. No.	32274	Seq. ID	OJ991208_01.0110.C6
Gene No.	66869	Strand	-
Start	1	End	14082
Name	OJ991208_01.0110.C6.o1.np	Method	AAT/NAP
Start	1	End	2837
GI	5725427	Score	125
Exons	1..26, 1846..1978, 2540..2608, 2784..2837		
GI Descrip.	(AL031287) match: ESTs: Em:N54388 Em:R14260 Em:H08089 Em:Z24943 Em:AA130053 [Homo sapiens]		
Seq. No.	32274	Seq. ID	OJ991208_01.0110.C6
Gene No.	66869	Strand	-
Start	1	End	14082
Name	OJ991208_01.0110.C6.o3.tm	Method	TBLASTX:Maize
Start	201	End	484
GI	none	Score	100
Exons	201..323, 208..324, 208..327, 411..482, 413..481, 415..483, 415..483, 416..484		
Seq. No.	32274	Seq. ID	OJ991208_01.0110.C6
Gene No.	66869	Strand	-
Start	1	End	14082
Name	OJ991208_01.0110.C6.o1.gs	Method	GENSCAN
Start	208	End	14082
GI	none	Score	.77
Exons	208..325, 411..526, 1192..1320, 1639..1746, 1844..1978,		

2540..2617, 3606..3838, 5754..5830, 5941..5993, 6278..6389, 6537..6614, 7146..7641, 7712..9309, 9494..9561, 9666..9734, 10433..10773, 10904..10960, 11562..11635, 11773..11999, 13819..14082

Seq. No.	32274	Seq. ID	OJ991208_01.0110.C6
Gene No.	66869	Strand	-
Start	1	End	14082
Name	OJ991208_01.0110.C6.o4.tm	Method	TBLASTX:Maize
Start	1189	End	1712
GI	none	Score	164
Exons	1189..1326, 1192..1320, 1193..1321, 1636..1710, 1638..1712, 1639..1710		

Seq. No.	32274	Seq. ID	OJ991208_01.0110.C6
Gene No.	66869	Strand	-
Start	1	End	14082
Name	OJ991208_01.0110.C6.o1.ts	Method	TBLASTX:Soybean
Start	1249	End	1966
GI	none	Score	102
Exons	1249..1326, 1250..1321, 1636..1686, 1637..1693, 1697..1747, 1714..1737, 1836..1949, 1841..1966		

Seq. No.	32274	Seq. ID	OJ991208_01.0110.C6
Gene No.	66869	Strand	-
Start	1	End	14082
Name	OJ991208_01.0110.C6.o1.tc	Method	TBLASTX:Cress
Start	1639	End	2861
GI	none	Score	71
Exons	1639..1737, 1640..1747, 1841..1984, 1842..1985, 2534..2620, 2535..2609, 2787..2861		

Seq. No.	32274	Seq. ID	OJ991208_01.0110.C6
Gene No.	66869	Strand	-
Start	1	End	14082
Name	OJ991208_01.0110.C6.o1.gp	Method	AAT/GAP
Start	5119	End	5514
GI	none	Score	761
Exons	5119..5514		

Seq. No.	32274	Seq. ID	OJ991208_01.0110.C6
Gene No.	66869	Strand	-
Start	1	End	14082
Name	OJ991208_01.0110.C6.o2.tm	Method	TBLASTX:Maize
Start	5771	End	7522
GI	none	Score	45
Exons	5771..5833, 5771..5833, 5940..5993, 5944..5994, 6094..6150, 6221..6391, 6274..6378, 6535..6615, 6536..6622, 7144..7374, 7145..7522, 7146..7376, 7223..7522		

Seq. No.	32274	Seq. ID	OJ991208_01.0110.C6
Gene No.	66869	Strand	-
Start	1	End	14082
Name	OJ991208_01.0110.C6.o2.gp	Method	AAT/CAP
Start	7312	End	7629
GI	2310488	Score	624
Exons	7312..7629		

Seq. No.	32274	Seq. ID	OJ991208_01.0110.C6
Gene No.	66869	Strand	-
Start	1	End	14082
Name	OJ991208_01.0110.C6.o1.tm	Method	TBLASTX:Maize
Start	7944	End	8450
GI	none	Score	118
Exons	7944..8105, 7965..8102, 7997..8134, 8112..8306, 8113..8364, 8114..8320, 8313..8450, 8323..8412		

Seq. No.	32274	Seq. ID	OJ991208_01.0110.C6
Gene No.	66869	Strand	-
Start	1	End	14082
Name	OJ991208_01.0110.C6.o3.gp	Method	AAT/GAP
Start	7987	End	8351
GI	3768931	Score	634
Exons	7987..8351		

Seq. No.	32275	Seq. ID	OJ991208_01.0110.C7
Gene No.	66870	Strand	+
Start	56	End	1092
Name	OJ991208_01.0110.C7.o1.gs	Method	GENSCAN
Start	56	End	1092
GI	none	Score	.51
Exons	56..157, 914..1092		

Seq. No.	32275	Seq. ID	OJ991208_01.0110.C7
Gene No.	66871	Strand	-
Start	1382	End	3977
Name	OJ991208_01.0110.C7.o2.gs	Method	GENSCAN
Start	1382	End	3977
GI	none	Score	.9
Exons	1382..1419, 1839..2103, 2970..2978, 3756..3977		

Seq. No.	32275	Seq. ID	OJ991208_01.0110.C7
Gene No.	66871	Strand	-
Start	1382	End	3977
Name	OJ991208_01.0110.C7.o1.gp	Method	AAT/GAP
Start	1584	End	2048
GI	none	Score	892
Exons	1584..2048		

Seq. No.	32275	Seq. ID	OJ991208_01.0110.C7
Gene No.	66871	Strand	-
Start	1382	End	3977
Name	OJ991208_01.0110.C7.o1.tm	Method	TBLASTX:Maize
Start	1847	End	2083
GI	none	Score	67
Exons	1847..1879, 1885..2004, 1887..1988, 1895..1990, 1963..2082, 1982..2077, 1990..2082, 1997..2083		

Seq. No.	32275	Seq. ID	OJ991208_01.0110.C7
Gene No.	66871	Strand	-
Start	1382	End	3977
Name	OJ991208_01.0110.C7.o2.gp	Method	AAT/GAP
Start	3433	End	3884
GI	3760468	Score	724

Exons	3433..3884		
Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66872	Strand	+
Start	46	End	1786
Name	OJ991208_01.0110.C8.o1.np	Method	AAT/NAP
Start	46	End	1786
GI	1707018	Score	366
Exons	46..202, 423..529, 791..853, 1266..1297, 1446..1540, 1708..1786		
GI Descrip.	(U78721) putative related to microbial divalent cation tolerance proteins [Arabidopsis thaliana]		
Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66873	Strand	+
Start	5141	End	7514
Name	OJ991208_01.0110.C8.o3.gs	Method	GENSCAN
Start	5141	End	7514
GI	none	Score	.65
Exons	5141..5194, 5481..5531, 7395..7514		
Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66873	Strand	+
Start	5141	End	7514
Name	OJ991208_01.0110.C8.o2.gp	Method	AAT/GAP
Start	6789	End	7223
GI	LIB3432-059-P1-K1-D8	Score	666
Exons	6789..7223		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66874	Strand	+
Start	11783	End	17616
Name	OJ991208_01.0110.C8.o5.gs	Method	GENSCAN
Start	11783	End	17616
GI	none	Score	.65
Exons	11783..11839, 11906..12366, 12442..12507, 13945..14084, 14135..14180, 14439..14503, 15598..15732, 16501..16536, 16895..17089, 17597..17616		
Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66875	Strand	+
Start	19449	End	19861
Name	OJ991208_01.0110.C8.o3.gp	Method	AAT/GAP
Start	19449	End	19861
GI	25529_1.R1084	Score	758
Exons	19449..19861		
GI Descrip.	'2735764 4.0e-09 (AF008651) MADS transcriptional factor; STMADS16 [Solanum tuberosum]'		
Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66875	Strand	+
Start	19449	End	19861
Name	OJ991208_01.0110.C8.o4.gp	Method	AAT/GAP
Start	19589	End	19725
GI	none	Score	207
Exons	19589..19725		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66876	Strand	+
Start	19778	End	19926
Name	OJ991208_01.0110.C8.o4.np	Method	AAT/NAP
Start	19778	End	19926
GI	5051935	Score	134
Exons	19778..19926		
GI Descrip.	(AF141966) MADS-box protein FDRMADS1 [Oryza sativa]		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66877	Strand	+
Start	23767	End	23844
Name	OJ991208_01.0110.C8.o7.gs	Method	GENSCAN
Start	23767	End	23844
GI	none	Score	.75
Exons	23767..23844		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66878	Strand	-
Start	2086	End	6318
Name	OJ991208_01.0110.C8.o1.gp	Method	AAT/GAP
Start	2086	End	2697
GI	56393_1.R1084	Score	1156
Exons	2086..2697		
GI Descrip.	'2160166 2.0e-21 (AC000132) No definition line found [Arabidopsis thaliana]'		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66878	Strand	-
Start	2086	End	6318
Name	OJ991208_01.0110.C8.o2.gs	Method	GENSCAN
Start	2378	End	3694
GI	none	Score	.6
Exons	2378..3694		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66878	Strand	-
Start	2086	End	6318
Name	OJ991208_01.0110.C8.o2.np	Method	AAT/NAP
Start	2381	End	6318
GI	2160166	Score	919
Exons	2381..3650, 6208..6318		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66879	Strand	-
Start	8855	End	10975
Name	OJ991208_01.0110.C8.o4.gs	Method	GENSCAN
Start	8855	End	10969
GI	none	Score	.91
Exons	8855..9015, 9362..9482, 9641..9862, 10178..10265, 10737..10969		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66879	Strand	-
Start	8855	End	10975
Name	OJ991208_01.0110.C8.o3.np	Method	AAT/NAP

Start	8858	End	10975
GI	6630732	Score	449
Exons	8858..9015, 9362..9482, 9641..9687, 9823..9862, 10178..10265, 10737..10794, 10837..10975		
GI Descrip.	(AL132958) putative protein [Arabidopsis thaliana]		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66880	Strand	-
Start	18055	End	20998
Name	OJ991208_01.0110.C8.o6.gs	Method	GENSCAN
Start	18055	End	20998
GI	none	Score	.63
Exons	18055..18095, 19418..19594, 19804..20016, 20986..20998		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66881	Strand	-
Start	21457	End	23838
Name	OJ991208_01.0110.C8.o1.tc	Method	TBLASTX:Cress
Start	2372	End	3181
GI	none	Score	148
Exons	2372..2575, 2397..2576, 2627..2674, 2628..2660, 2672..2920, 2685..2921, 2921..3073, 2922..2996, 3018..3068, 3083..3181		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66881	Strand	-
Start	21457	End	23838
Name	OJ991208_01.0110.C8.o1.ts	Method	TBLASTX:Soybean
Start	2375	End	3175
GI	none	Score	152
Exons	2375..2578, 2397..2579, 2636..2692, 2684..2920, 2685..2921, 2921..3073, 2922..3068, 3083..3175		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66881	Strand	-
Start	21457	End	23838
Name	OJ991208_01.0110.C8.o1.tm	Method	TBLASTX:Maize
Start	2378	End	3626
GI	none	Score	579
Exons	2378..2794, 2397..2792, 2798..2920, 2799..2921, 2921..3214, 2922..3200, 3275..3526, 3357..3506, 3503..3619, 3582..3626		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66881	Strand	-
Start	21457	End	23838
Name	OJ991208_01.0110.C8.o3.tm	Method	TBLASTX:Maize
Start	8846	End	9860
GI	none	Score	145
Exons	8846..9013, 8850..8948, 8850..9014, 8851..9009, 9360..9485, 9361..9483, 9363..9485, 9364..9486, 9641..9697, 9642..9695, 9819..9860, 9823..9855		

Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66881	Strand	-
Start	21457	End	23838
Name	OJ991208_01.0110.C8.o2.tm	Method	TBLASTX:Maize
Start	10158	End	10953
GI	none	Score	136

Exons	10158..10268, 10162..10266, 10172..10303, 10175..10267, 10737..10952, 10743..10931, 10744..10953, 10783..10947		
Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66881	Strand	-
Start	21457	End	23838
Name	OJ991208_01.0110.C8.o1.tw	Method	TBLASTX:Wheat
Start	19760	End	19927
GI	none	Score	191
Exons	19760..19927, 19798..19905		
Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66881	Strand	-
Start	21457	End	23838
Name	OJ991208_01.0110.C8.o2.tc	Method	TBLASTX:Cress
Start	19760	End	19927
GI	none	Score	226
Exons	19760..19927, 19795..19926		
Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66881	Strand	-
Start	21457	End	23838
Name	OJ991208_01.0110.C8.o4.tm	Method	TBLASTX:Maize
Start	19760	End	23838
GI	none	Score	256
Exons	19760..19924, 19761..19784, 19775..19801, 19795..19926, 23764..23838		
Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66881	Strand	-
Start	21457	End	23838
Name	OJ991208_01.0110.C8.o2.ts	Method	TBLASTX:Soybean
Start	19760	End	19929
GI	none	Score	224
Exons	19760..19927, 19795..19929		
Seq. No.	32276	Seq. ID	OJ991208_01.0110.C8
Gene No.	66881	Strand	-
Start	21457	End	23838
Name	OJ991208_01.0110.C8.o5.gp	Method	AAT/GAP
Start	21457	End	21880
GI	LIB3477-003-P1-K1-E9	Score	112
Exons	21457..21529, 21852..21880		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	32277	Seq. ID	OJ991208_01.0110.C9
Gene No.	66882	Strand	+
Start	1	End	823
Name	OJ991208_01.0110.C9.o1.np	Method	AAT/NAP
Start	1	End	823
GI	6652756	Score	129
Exons	1..228, 459..529, 671..823		
GI Descrip.	(AF060880) MADS box protein [Paulownia kawakamii]		
Seq. No.	32277	Seq. ID	OJ991208_01.0110.C9

Gene No.	66882	Strand	+
Start	1	End	823
Name	OJ991208_01.0110.C9.o1.gs	Method	GENSCAN
Start	89	End	801
GI	none	Score	.93
Exons	89..188, 274..315, 647..801		

Seq. No.	32277	Seq. ID	OJ991208_01.0110.C9
Gene No.	66883	Strand	-
Start	662	End	1164
Name	OJ991208_01.0110.C9.o1.tm	Method	TBLASTX:Maize
Start	86	End	962
GI	none	Score	125
Exons	86..187, 88..186, 271..315, 271..315, 454..507, 455..517, 613..669, 626..670, 670..801, 671..802, 698..802, 930..962		

Seq. No.	32277	Seq. ID	OJ991208_01.0110.C9
Gene No.	66883	Strand	-
Start	662	End	1164
Name	OJ991208_01.0110.C9.o1.gp	Method	AAT/GAP
Start	662	End	1110
GI	none	Score	444
Exons	662..804, 936..1110		

Seq. No.	32277	Seq. ID	OJ991208_01.0110.C9
Gene No.	66883	Strand	-
Start	662	End	1164
Name	OJ991208_01.0110.C9.o2.gp	Method	AAT/GAP
Start	717	End	1164
GI	none	Score	430
Exons	717..804, 936..1164		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66884	Strand	+
Start	103	End	4075
Name	OJ991208_01.0110.C10.o1.gs	Method	GENSCAN
Start	103	End	4075
GI	none	Score	.65
Exons	103..187, 379..441, 2228..2323, 3903..4075		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66885	Strand	+
Start	8041	End	17597
Name	OJ991208_01.0110.C10.o3.np	Method	AAT/NAP
Start	8041	End	17597
GI	4539658	Score	215
Exons	8041..8164, 8205..8442, 17541..17597		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66886	Strand	+
Start	17918	End	18292
Name	OJ991208_01.0110.C10.o6.gs	Method	GENSCAN
Start	17918	End	18292
GI	none	Score	.98
Exons	17918..18292		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66887	Strand	+
Start	19393	End	20950
Name	OJ991208_01.0110.C10.o7.gs	Method	GENSCAN
Start	19393	End	20950
GI	none	Score	.55
Exons	19393..19490, 20734..20796, 20842..20950		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66888	Strand	+
Start	35491	End	37622
Name	OJ991208_01.0110.C10.o5.np	Method	AAT/NAP
Start	35473	End	37622
GI	3033395	Score	230
Exons	35473..36028, 36408..36494, 37426..37622		
GI Descrip.	(AC004238) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66888	Strand	+
Start	35491	End	37622
Name	OJ991208_01.0110.C10.o10.gs	Method	GENSCAN
Start	35491	End	36552
GI	none	Score	.99
Exons	35491..36552		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66889	Strand	-
Start	3822	End	6723
Name	OJ991208_01.0110.C10.o1.np	Method	AAT/NAP
Start	3822	End	6723
GI	6016874	Score	2236
Exons	3822..4069, 4547..4886, 5004..5183, 5577..5736, 6127..6359, 6424..6561, 6645..6723		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66889	Strand	-
Start	3822	End	6723
Name	OJ991208_01.0110.G10.o2.gs	Method	GENSCAN
Start	4543	End	6723
GI	none	Score	.53
Exons	4543..5003, 5577..5736, 6127..6359, 6477..6723		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66889	Strand	-
Start	3822	End	6723
Name	OJ991208_01.0110.C10.o1.gp	Method	AAT/GAP
Start	5526	End	6034
GI	uC-osflcyp110c07b1	Score	970
Exons	5526..6034		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66890	Strand	-
Start	7322	End	7869
Name	OJ991208_01.0110.C10.o2.np	Method	AAT/NAP
Start	7122	End	7279
GI	6907084	Score	150
Exons	7122..7279		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66890	Strand	-
Start	7322	End	7869
Name	OJ991208_01.0110.C10.o3.gs	Method	GENSCAN
Start	7322	End	7869
GI	none	Score	.74
Exons	7322..7445, 7766..7869		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66891	Strand	-
Start	14472	End	17180
Name	OJ991208_01.0110.C10.o5.gs	Method	GENSCAN
Start	14472	End	17180
GI	none	Score	.69
Exons	14472..14682, 15853..15902, 15930..15994, 16906..17007, 17087..17180		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66892	Strand	-
Start	23123	End	24438
Name	OJ991208_01.0110.C10.o8.gs	Method	GENSCAN
Start	23123	End	24380
GI	none	Score	1
Exons	23123..23227, 23401..23859, 23955..24380		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66892	Strand	-
Start	23123	End	24438
Name	OJ991208_01.0110.C10.o4.np	Method	AAT/NAP
Start	23144	End	24380
GI	6587839	Score	380
Exons	23144..23227, 23401..23614, 23693..23859, 23968..24108, 24216..24380		
GI Descrip.	(AC006551) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66892	Strand	-
Start	23123	End	24438
Name	OJ991208_01.0110.C10.o4.gp	Method	AAT/GAP
Start	24039	End	24438
GI	none	Score	755
Exons	24039..24438		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o4.tm	Method	TBLASTX:Maize

Start	4609	End	4852
GI	none	Score	97
Exons	4609..4842, 4694..4852		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o6.tm	Method	TBLASTX:Maize
Start	4964	End	5316
GI	none	Score	136
Exons	4964..5305, 5035..5316		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o5.tm	Method	TBLASTX:Maize
Start	5521	End	5835
GI	none	Score	108
Exons	5521..5748, 5522..5740, 5761..5835		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o3.tm	Method	TBLASTX:Maize
Start	5929	End	6375
GI	none	Score	102
Exons	5929..5967, 5962..6018, 6055..6303, 6095..6304, 6289..6375		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o3.ts	Method	TBLASTX:Soybean
Start	23819	End	24072
GI	none	Score	52
Exons	23819..23860, 23821..23862, 23955..24071, 23956..24072		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o2.tc	Method	TBLASTX:Cress
Start	35800	End	36029
GI	none	Score	64
Exons	35800..35871, 35874..36029, 35875..36024		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o7.tm	Method	TBLASTX:Maize
Start	35842	End	36024
GI	none	Score	189
Exons	35842..36024, 35875..35976		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o11.gs	Method	GENSCAN
Start	36924	End	39249

GI	none	Score	.81
Exons	36924..37057, 37406..37534, 37581..37719, 37828..37946, 38048..38286, 38406..38462, 38540..38658, 38745..38993, 39043..39249		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o6.np	Method	AAT/NAP
Start	37576	End	39326
GI	6910584	Score	659
Exons	37576..37638, 37813..37946, 38048..38286, 38406..38462, 38540..38627, 38711..39326		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o2.ts	Method	TBLASTX:Soybean
Start	37615	End	38276
GI	none	Score	195
Exons	37615..37725, 37831..37956, 38046..38276		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o1.tc	Method	TBLASTX:Cress
Start	37627	End	39268
GI	none	Score	68
Exons	37627..37743, 37828..37956, 37873..37947, 38046..38276, 38047..38226, 38542..38625, 38739..39005, 38767..39006, 39034..39264, 39035..39268		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o1.tm	Method	TBLASTX:Maize
Start	37694	End	38461
GI	none	Score	49
Exons	37694..37720, 37696..37719, 37827..37871, 37828..37947, 37828..37956, 37901..37957, 38046..38276, 38047..38232, 38411..38461		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o1.ts	Method	TBLASTX:Soybean
Start	38757	End	39279
GI	none	Score	204
Exons	38757..39005, 38758..39003, 39020..39265, 39028..39279		

Seq. No.	32278	Seq. ID	OJ991208_01.0110.C10
Gene No.	66893	Strand	-
Start	36924	End	39326
Name	OJ991208_01.0110.C10.o2.tm	Method	TBLASTX:Maize
Start	38967	End	39265
GI	none	Score	72

Exons	38967..39008, 38968..39006, 39008..39265, 39022..39264		
Seq. No.	32279	Seq. ID	OJ991208_01.0110.C11
Gene No.	66894	Strand	-
Start	1005	End	1423
Name	OJ991208_01.0110.C11.o1.gs	Method	GENSCAN
Start	1005	End	1423
GI	none	Score	1
Exons	1005..1423		
Seq. No.	32280	Seq. ID	OJ991208_01.0110.C12
Gene No.	66895	Strand	+
Start	5363	End	6646
Name	OJ991208_01.0110.C12.o2.gs	Method	GENSCAN
Start	5363	End	6646
GI	none	Score	.66
Exons	5363..5584, 5717..5807, 6492..6646		
Seq. No.	32280	Seq. ID	OJ991208_01.0110.C12
Gene No.	66896	Strand	+
Start	9143	End	9462
Name	OJ991208_01.0110.C12.o3.gs	Method	GENSCAN
Start	9143	End	9429
GI	none	Score	.63
Exons	9143..9429		
Seq. No.	32280	Seq. ID	OJ991208_01.0110.C12
Gene No.	66896	Strand	+
Start	9143	End	9462
Name	OJ991208_01.0110.C12.o2.np	Method	AAT/NAP
Start	9272	End	9462
GI	1707019	Score	97
Exons	9272..9462		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	32280	Seq. ID	OJ991208_01.0110.C12
Gene No.	66897	Strand	-
Start	2081	End	2382
Name	OJ991208_01.0110.C12.o1.np	Method	AAT/NAP
Start	2081	End	2382
GI	6910584	Score	132
Exons	2081..2382		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		
Seq. No.	32280	Seq. ID	OJ991208_01.0110.C12
Gene No.	66897	Strand	-
Start	2081	End	2382
Name	OJ991208_01.0110.C12.o1.tm	Method	TBLASTX:Maize
Start	2092	End	2379
GI	none	Score	247
Exons	2092..2289, 2093..2245, 2332..2379		
Seq. No.	32280	Seq. ID	OJ991208_01.0110.C12
Gene No.	66897	Strand	-
Start	2081	End	2382
Name	OJ991208_01.0110.C12.o1.ts	Method	TBLASTX:Soybean
Start	2092	End	2277

GI	none	Score	140
Exons	2092..2277, 2093..2245		
Seq. No.	32280	Seq. ID	OJ991208_01.0110.C12
Gene No.	66897	Strand	-
Start	2081	End	2382
Name	OJ991208_01.0110.C12.o1.tc	Method	TBLASTX:Cress
Start	2104	End	2286
GI	none	Score	131
Exons	2104..2286, 2105..2245		
Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66898	Strand	+
Start	93	End	1182
Name	OJ991208_01.0110.C13.o1.gs	Method	GENSCAN
Start	93	End	1182
GI	none	Score	.53
Exons	93..314, 937..1182		
Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66899	Strand	+
Start	6691	End	14651
Name	OJ991208_01.0110.C13.o1.np	Method	AAT/NAP
Start	6691	End	14648
GI	5051781	Score	1524
Exons	6691..6806, 12694..13161, 13290..13812, 13893..14648		
GI Descrip.	(AL078637) transport inhibitor response-like protein [Arabidopsis thaliana]		
Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66899	Strand	+
Start	6691	End	14651
Name	OJ991208_01.0110.C13.o4.gs	Method	GENSCAN
Start	12632	End	14651
GI	none	Score	.84
Exons	12632..13161, 13290..13812, 13893..14651		
Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66899	Strand	+
Start	6691	End	14651
Name	OJ991208_01.0110.C13.o3.gp	Method	AAT/GAP
Start	13286	End	14024
GI	24208_1.R1084	Score	1283
Exons	13286..13812, 13893..14024		
GI Descrip.	'5051781/emb|CAB45074.1| 7.0e-40 (AL078637) transport inhibitor response-like protein [Arabidopsis thaliana]'		
Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66900	Strand	+
Start	14783	End	15057
Name	OJ991208_01.0110.C13.o4.gp	Method	AAT/GAP
Start	14783	End	15057
GI	5038707	Score	529
Exons	14783..15057		
Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66901	Strand	-

Start	1443	End	3252
Name	OJ991208_01.0110.C13.o2.gs	Method	GENSCAN
Start	1443	End	3252
GI	none	Score	.71
Exons	1443..1474, 1529..1604, 2476..2532, 2744..2873, 3227..3252		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66902	Strand	-
Start	4875	End	10605
Name	OJ991208_01.0110.C13.o1.gp	Method	AAT/GAP
Start	4536	End	5410
GI	none	Score	1102
Exons	4536..5063, 5362..5410		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66902	Strand	-
Start	4875	End	10605
Name	OJ991208_01.0110.C13.o3.gs	Method	GENSCAN
Start	4875	End	10605
GI	none	Score	.59
Exons	4875..5063, 5362..5633, 6418..6519, 6613..6866, 7075..7198, 7572..7754, 9468..9543, 9578..9600, 10572..10605		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66902	Strand	-
Start	4875	End	10605
Name	OJ991208_01.0110.C13.o2.gp	Method	AAT/GAP
Start	5432	End	6992
GI	10437_1.R1084	Score	1262
Exons	5432..5633, 6418..6519, 6613..6992		
GI Descrip.	'4103635 1.0e-16 (AF026538) ABA-responsive protein [Hordeum vulgare]'		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o6.ts	Method	TBLASTX:Soybean
Start	3	End	257
GI	none	Score	200
Exons	3..257		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o4.tc	Method	TBLASTX:Cress
Start	24	End	260
GI	none	Score	216
Exons	24..260, 68..259		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o6.tm	Method	TBLASTX:Maize
Start	30	End	260
GI	none	Score	42
Exons	30..62, 59..259, 69..260		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o1.tw	Method	TBLASTX:Wheat
Start	89	End	7709
GI	none	Score	269
Exons	89..259, 90..260, 7629..7709		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o7.ts	Method	TBLASTX:Soybean
Start	1443	End	2797
GI	none	Score	92
Exons	1443..1604, 1444..1605, 2738..2797		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o4.tm	Method	TBLASTX:Maize
Start	4719	End	5069
GI	none	Score	56
Exons	4719..4778, 4723..4779, 4831..4878, 4832..5065, 4833..5066, 4902..5069		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o3.tc	Method	TBLASTX:Cress
Start	4899	End	5494
GI	none	Score	122
Exons	4899..5066, 4908..5045, 4924..5064, 5359..5493, 5390..5494		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o4.ts	Method	TBLASTX:Soybean
Start	4899	End	5060
GI	none	Score	138
Exons	4899..5060, 4924..5058		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o3.tm	Method	TBLASTX:Maize
Start	5359	End	5638
GI	none	Score	219
Exons	5359..5637, 5390..5638		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o3.ts	Method	TBLASTX:Soybean
Start	5408	End	5692
GI	none	Score	100
Exons	5408..5536, 5413..5634, 5552..5692		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o5.tm	Method	TBLASTX:Maize
Start	6406	End	6767
GI	none	Score	114
Exons	6406..6519, 6413..6520, 6419..6532, 6611..6664, 6693..6767		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o2.tm	Method	TBLASTX:Maize
Start	12602	End	13072
GI	none	Score	76
Exons	12602..12730, 12668..13072, 12679..12810, 12925..13035		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o5.ts	Method	TBLASTX:Soybean
Start	12692	End	12952
GI	none	Score	222
Exons	12692..12952, 12694..12807		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o2.tc	Method	TBLASTX:Cress
Start	12716	End	13973
GI	none	Score	80
Exons	12716..12841, 12902..12958, 13025..13075, 13085..13162, 13087..13203, 13366..13566, 13660..13818, 13893..13973		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o1.tm	Method	TBLASTX:Maize
Start	13088	End	14648
GI	none	Score	74
Exons	13088..13162, 13363..13560, 13651..13752, 13893..14546, 14036..14545, 14157..14546, 14577..14648		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o1.ts	Method	TBLASTX:Soybean
Start	13600	End	14336
GI	none	Score	141
Exons	13600..13818, 13600..13803, 13892..13945, 13893..14336, 14036..14335		

Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o1.tc	Method	TBLASTX:Cress
Start	14025	End	14651
GI	none	Score	748

Exons	14025..14651, 14030..14650		
Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o2.ts	Method	TBLASTX:Soybean
Start	14337	End	14543
GI	none	Score	263
Exons	14337..14543, 14337..14507, 14357..14542		
Seq. No.	32281	Seq. ID	OJ991208_01.0110.C13
Gene No.	66903	Strand	-
Start	15457	End	15593
Name	OJ991208_01.0110.C13.o5.gs	Method	GENSCAN
Start	15457	End	15593
GI	none	Score	.91
Exons	15457..15593		
Seq. No.	32282	Seq. ID	OJ991208_01.0110.C14
Gene No.	66904	Strand	-
Start	140	End	2795
Name	OJ991208_01.0110.C14.o1.gs	Method	GENSCAN
Start	140	End	1057
GI	none	Score	.54
Exons	140..271, 907..1057		
Seq. No.	32282	Seq. ID	OJ991208_01.0110.C14
Gene No.	66904	Strand	-
Start	140	End	2795
Name	OJ991208_01.0110.C14.o1.np	Method	AAT/NAP
Start	949	End	2795
GI	5852093	Score	70
Exons	949..993, 2668..2795		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	32283	Seq. ID	OJ991208_01.0110.C15
Gene No.	66905	Strand	-
Start	27	End	74
Name	OJ991208_01.0110.C15.o1.gs	Method	GENSCAN
Start	27	End	74
GI	none	Score	.84
Exons	27..74		
Seq. No.	32284	Seq. ID	OJ991208_09.0104.C2
Gene No.	66906	Strand	+
Start	1	End	511
Name	OJ991208_09.0104.C2.o1.np	Method	AAT/NAP
Start	1	End	511
GI	4406770	Score	229
Exons	1..24, 91..276, 427..511		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		
Seq. No.	32284	Seq. ID	OJ991208_09.0104.C2
Gene No.	66907	Strand	
Start	763	End	3546
Name	OJ991208_09.0104.C2.o1.tm	Method	TBLASTX:Maize
Start	84	End	532

GI	none	Score	183
Exons	84..272, 88..273, 92..277, 92..277, 424..531, 425..532		
Seq. No.	32284	Seq. ID	OJ991208_09.0104.C2
Gene No.	66907	Strand	-
Start	763	End	3546
Name	OJ991208_09.0104.C2.o1.ts	Method	TBLASTX:Soybean
Start	92	End	487
GI	none	Score	218
Exons	92..277, 93..266, 103..270, 425..487		
Seq. No.	32284	Seq. ID	OJ991208_09.0104.C2
Gene No.	66907	Strand	-
Start	763	End	3546
Name	OJ991208_09.0104.C2.o1.gs	Method	GENSCAN
Start	763	End	3546
GI	none	Score	.58
Exons	763..869, 1243..1363, 1672..1765, 3500..3546		
Seq. No.	32285	Seq. ID	OJ991208_09.0104.C3
Gene No.	66908	Strand	+
Start	440	End	802
Name	OJ991208_09.0104.C3.o1.gs	Method	GENSCAN
Start	440	End	802
GI	none	Score	.49
Exons	440..513, 733..802		
Seq. No.	32286	Seq. ID	OJ991208_09.0104.C4
Gene No.	66909	Strand	+
Start	1	End	2111
Name	OJ991208_09.0104.C4.o1.np	Method	AAT/NAP
Start	1	End	2015
GI	3645898	Score	609
Exons	1..37, 286..1295, 1323..1715, 1801..2015		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		
Seq. No.	32286	Seq. ID	OJ991208_09.0104.C4
Gene No.	66909	Strand	+
Start	1	End	2111
Name	OJ991208_09.0104.C4.o1.gs	Method	GENSCAN
Start	245	End	2111
GI	none	Score	.41
Exons	245..659, 696..1143, 1221..1475, 1494..2111		
Seq. No.	32286	Seq. ID	OJ991208_09.0104.C4
Gene No.	66909	Strand	+
Start	1	End	2111
Name	OJ991208_09.0104.C4.o1.tw	Method	TBLASTX:Wheat
Start	310	End	738
GI	none	Score	259
Exons	310..738, 343..438, 345..443		
Seq. No.	32286	Seq. ID	OJ991208_09.0104.C4
Gene No.	66909	Strand	+
Start	1	End	2111
Name	OJ991208_09.0104.C4.o1.ts	Method	TBLASTX:Soybean

Start	340	End	786
GI	none	Score	73
Exons	340..447, 451..786		

Seq. No.	32286	Seq. ID	OJ991208_09.0104.C4
Gene No.	66909	Strand	+
Start	1	End	2111
Name	OJ991208_09.0104.C4.o1.tm	Method	TBLASTX:Maize
Start	496	End	897
GI	none	Score	213
Exons	496..897, 637..747		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o6.tm	Method	TBLASTX:Maize
Start	1094	End	1434
GI	none	Score	96
Exons	1094..1168, 1095..1172, 1192..1434, 1197..1433		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o1.gs	Method	GENSCAN
Start	1189	End	6865
GI	none	Score	.47
Exons	1189..1345, 1508..1713, 1897..2546, 2849..3029, 3151..3308, 3386..3698, 3878..3971, 4034..4318, 5182..5254, 5575..5988, 6008..6104, 6531..6865		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o4.tw	Method	TBLASTX:Wheat
Start	1213	End	1527
GI	none	Score	230
Exons	1213..1527, 1218..1247, 1302..1427		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o1.np	Method	AAT/NAP
Start	1261	End	4365
GI	6630685	Score	4546
Exons	1261..1332, 1623..4365		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o4.tm	Method	TBLASTX:Maize
Start	1435	End	1830
GI	none	Score	144
Exons	1435..1563, 1443..1550, 1554..1829, 1558..1830		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5

Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o1.tw	Method	TBLASTX:Wheat
Start	1594	End	2166
GI	none	Score	273
Exons	1594..1842, 1601..1894, 1602..1826, 1853..1897, 1878..2165, 1882..2166		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o1.tm	Method	TBLASTX:Maize
Start	1831	End	2586
GI	none	Score	96
Exons	1831..1902, 1836..2576, 1903..2586		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o2.ts	Method	TBLASTX:Soybean
Start	2011	End	2472
GI	none	Score	325
Exons	2011..2472, 2031..2321		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o1.tc	Method	TBLASTX:Cress
Start	2047	End	2469
GI	none	Score	237
Exons	2047..2469		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o3.tw	Method	TBLASTX:Wheat
Start	2254	End	2586
GI	none	Score	133
Exons	2254..2343, 2256..2330, 2264..2332, 2329..2493, 2332..2496, 2343..2507, 2518..2586		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o5.tm	Method	TBLASTX:Maize
Start	2711	End	3025
GI	none	Score	72
Exons	2711..2755, 2712..2759, 2753..3025, 2757..3023		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o1.ts	Method	TBLASTX:Soybean
Start	2736	End	3341
GI	5509260	Score	39
Exons	2736..2759, 2757..2948, 2958..3032, 2960..3025, 3021..3341, 3022..3339		

GI Descrip. -

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o2.tw	Method	TBLASTX:Wheat
Start	2858	End	3333
GI	none	Score	89
Exons	2858..2947, 2874..2948, 2921..2980, 2942..2977, 2952..3314, 2979..3026, 3031..3327, 3052..3333		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o3.tm	Method	TBLASTX:Maize
Start	3143	End	3575
GI	none	Score	337
Exons	3143..3313, 3144..3362, 3145..3363, 3357..3575, 3357..3476, 3362..3574, 3534..3575		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o3.ts	Method	TBLASTX:Soybean
Start	3473	End	3835
GI	none	Score	266
Exons	3473..3835, 3486..3833		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o2.tm	Method	TBLASTX:Maize
Start	3693	End	4442
GI	none	Score	217
Exons	3693..3833, 3701..3835, 3701..3835, 3702..3836, 3835..3987, 3836..3988, 3977..4144, 3991..4386, 3993..4382, 4182..4394, 4283..4384, 4380..4442		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o4.ts	Method	TBLASTX:Soybean
Start	3869	End	4350
GI	none	Score	144
Exons	3869..3988, 3869..3988, 4060..4098, 4207..4350		

Seq. No.	32287	Seq. ID	OJ991208_09.0104.C5
Gene No.	66910	Strand	+
Start	1189	End	6865
Name	OJ991208_09.0104.C5.o5.tw	Method	TBLASTX:Wheat
Start	3994	End	4314
GI	none	Score	86
Exons	3994..4107, 4002..4082, 4126..4314, 4185..4301		

Seq. No.	32288	Seq. ID	OJ991208_09.0104.C6
Gene No.	66911	Strand	-
Start	795	End	1010

Name	OJ991208_09.0104.C6.o1.gs	Method	GENSCAN
Start	795	End	1010
GI	none	Score	.68
Exons	795..1010		

Seq. No.	32289	Seq. ID	OJ991208_09.0104.C7
Gene No.	66912	Strand	+
Start	1	End	587
Name	OJ991208_09.0104.C7.o1.np	Method	AAT/NAP
Start	1	End	587
GI	6041792	Score	505
Exons	1..444, 553..587		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana]		

Seq. No.	32289	Seq. ID	OJ991208_09.0104.C7
Gene No.	66912	Strand	+
Start	1	End	587
Name	OJ991208_09.0104.C7.o1.gs	Method	GENSCAN
Start	193	End	444
GI	none	Score	.74
Exons	193..444		

Seq. No.	32289	Seq. ID	OJ991208_09.0104.C7
Gene No.	66912	Strand	+
Start	1	End	587
Name	OJ991208_09.0104.C7.o1.gp	Method	AAT/GAP
Start	258	End	587
GI	25932_1.R1084	Score	412
Exons	258..444, 553..587		
GI Descrip.	'6041792/gb|AAF02112.1|AC009755_5 2.0e-95 (AC009755) unknown protein [Arabidopsis thaliana]'		

Seq. No.	32289	Seq. ID	OJ991208_09.0104.C7
Gene No.	66912	Strand	+
Start	1	End	587
Name	OJ991208_09.0104.C7.o1.ts	Method	TBLASTX:Soybean
Start	293	End	586
GI	none	Score	205
Exons	293..445, 323..439, 551..586		

Seq. No.	32290	Seq. ID	OJ991208_09.0104.C8
Gene No.	66913	Strand	-
Start	1	End	446
Name	OJ991208_09.0104.C8.o1.np	Method	AAT/NAP
Start	1	End	446
GI	6041792	Score	434
Exons	1..446		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana]		

Seq. No.	32291	Seq. ID	OJ991208_09.0104.C9
Gene No.	66914	Strand	-
Start	1	End	1024
Name	OJ991208_09.0104.C9.o1.np	Method	AAT/NAP
Start	1	End	1024
GI	4406770	Score	49
Exons	1..31, 690..758, 978..1024		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66915	Strand	+
Start	361	End	1051
Name	OJ991208_09.0104.C11.o1.gs	Method	GENSCAN
Start	361	End	1051
GI	none	Score	.67
Exons	361..448, 829..905, 932..1051		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66916	Strand	+
Start	5385	End	9407
Name	OJ991208_09.0104.C11.o3.gs	Method	GENSCAN
Start	5385	End	9407
GI	none	Score	.55
Exons	5385..5465, 6070..6256, 6498..6776, 7174..7288, 7998..8131, 9125..9235, 9331..9407		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66916	Strand	+
Start	5385	End	9407
Name	OJ991208_09.0104.C11.o2.np	Method	AAT/NAP
Start	6569	End	8114
GI	2213632	Score	297
Exons	6569..6791, 7891..8114		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66917	Strand	+
Start	9965	End	10311
Name	OJ991208_09.0104.C11.o1.gp	Method	AAT/GAP
Start	9965	End	10311
GI	25792_1.R1084	Score	614
Exons	9965..10311		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66918	Strand	+
Start	14979	End	20261
Name	OJ991208_09.0104.C11.o6.gs	Method	GENSCAN
Start	14979	End	20185
GI	none	Score	.75
Exons	14979..15038, 15959..16097, 16326..16347, 16404..16666, 16711..16761, 18469..18575, 18779..18944, 19039..20185		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66918	Strand	+
Start	14979	End	20261
Name	OJ991208_09.0104.C11.o3.np	Method	AAT/NAP
Start	18469	End	20261
GI	6041792	Score	553
Exons	18469..18581, 18785..18944, 19039..20261		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana]		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66919	Strand	-

Start	1	End	4502
Name	OJ991208_09.0104.C11.o1.np	Method	AAT/NAP
Start	1	End	4502
GI	4406770	Score	522
Exons	1..46, 1936..2000, 2078..2220, 2540..2723, 3975..4149, 4442..4502		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66919	Strand	-
Start	1	End	4502
Name	OJ991208_09.0104.C11.o2.gs	Method	GENSCAN
Start	1801	End	4076
GI	none	Score	.86
Exons	1801..1818, 2078..2220, 2540..2723, 3975..4076		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66920	Strand	-
Start	9812	End	12695
Name	OJ991208_09.0104.C11.o4.gs	Method	GENSCAN
Start	9812	End	12695
GI	none	Score	.69
Exons	9812..10144, 10737..10891, 12560..12695		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66920	Strand	-
Start	9812	End	12695
Name	OJ991208_09.0104.C11.o2.gp	Method	AAT/GAP
Start	10486	End	10827
GI	2312718	Score	622
Exons	10486..10827		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66921	Strand	-
Start	13675	End	14256
Name	OJ991208_09.0104.C11.o1.tc	Method	TBLASTX:Cress
Start	1924	End	4076
GI	none	Score	76
Exons	1924..2001, 1935..2003, 1935..2003, 2075..2233, 2079..2168, 2526..2732, 2539..2679, 3996..4076, 3997..4044		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66921	Strand	-
Start	13675	End	14256
Name	OJ991208_09.0104.C11.o1.ts	Method	TBLASTX:Soybean
Start	1924	End	4076
GI	none	Score	88
Exons	1924..2001, 1935..2003, 2070..2168, 2075..2233, 2538..2723, 2539..2730, 3996..4076		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66921	Strand	-
Start	13675	End	14256
Name	OJ991208_09.0104.C11.o1.tm	Method	TBLASTX:Maize
Start	1935	End	4076

GI	none	Score	99
Exons	1935..2003, 1936..1998, 2069..2221, 2075..2233, 2076..2234, 2531..2692, 2537..2722, 2538..2723, 2538..2723, 2539..2724, 3973..4023, 3974..4009, 3994..4044, 3996..4076		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66921	Strand	-
Start	13675	End	14256
Name	OJ991208_09.0104.C11.o2.tm	Method	TBLASTX:Maize
Start	6237	End	8070
GI	none	Score	72
Exons	6237..6374, 6446..6790, 7917..7985, 8023..8070		

Seq. No.	32292	Seq. ID	OJ991208_09.0104.C11
Gene No.	66921	Strand	-
Start	13675	End	14256
Name	OJ991208_09.0104.C11.o5.gs	Method	GENSCAN
Start	13675	End	14256
GI	none	Score	.99
Exons	13675..14256		

Seq. No.	32293	Seq. ID	OJ991208_09.0104.C12
Gene No.	66922	Strand	+
Start	1	End	462
Name	OJ991208_09.0104.C12.o1.np	Method	AAT/NAP
Start	1	End	462
GI	4680186	Score	247
Exons	1..105, 232..462		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32293	Seq. ID	OJ991208_09.0104.C12
Gene No.	66923	Strand	-
Start	9	End	390
Name	OJ991208_09.0104.C12.o1.gp	Method	AAT/GAP
Start	9	End	390
GI	uC-osflcyp033a04b1	Score	635
Exons	9..390		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32294	Seq. ID	OJ991208_09.0104.C15
Gene No.	66924	Strand	+
Start	439	End	1787
Name	OJ991208_09.0104.C15.o1.gs	Method	GENSCAN
Start	439	End	1787
GI	none	Score	.48
Exons	439..521, 621..709, 1615..1787		

Seq. No.	32294	Seq. ID	OJ991208_09.0104.C15
Gene No.	66925	Strand	+
Start	9711	End	11369
Name	OJ991208_09.0104.C15.o3.gs	Method	GENSCAN
Start	9711	End	11369
GI	none	Score	.47
Exons	9711..10176, 10780..11064, 11224..11369		

Seq. No.	32294	Seq. ID	OJ991208_09.0104.C15

Gene No.	66926	Strand	-
Start	2833	End	9025
Name	OJ991208_09.0104.C15.o1.tm	Method	TBLASTX:Maize
Start	1406	End	1669
GI	none	Score	196
Exons	1406..1669, 1423..1668		

Seq. No.	32294	Seq. ID	OJ991208_09.0104.C15
Gene No.	66926	Strand	-
Start	2833	End	9025
Name	OJ991208_09.0104.C15.o2.gs	Method	GENSCAN
Start	2833	End	9025
GI	none	Score	.58
Exons	2833..3056, 3366..3435, 3688..3729, 6019..6198, 8630..8767, 8975..9025		

Seq. No.	32294	Seq. ID	OJ991208_09.0104.C15
Gene No.	66926	Strand	-
Start	2833	End	9025
Name	OJ991208_09.0104.C15.o1.gp	Method	AAT/GAP
Start	3009	End	4055
GI	2428514	Score	787
Exons	3009..3056, 3688..4055		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66927	Strand	+
Start	633	End	4722
Name	OJ991208_09.0104.C16.o1.gs	Method	GENSCAN
Start	633	End	4722
GI	none	Score	.63
Exons	633..1248, 1400..1619, 1713..1864, 2165..2302, 2315..2431, 2608..2682, 2842..3099, 3189..3599, 4502..4722		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66928	Strand	+
Start	9787	End	13045
Name	OJ991208_09.0104.C16.o3.gs	Method	GENSCAN
Start	9787	End	13045
GI	none	Score	.58
Exons	9787..9825, 9843..9938, 10005..10193, 10442..10525, 10682..10785, 10848..11116, 12996..13045		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66928	Strand	+
Start	9787	End	13045
Name	OJ991208_09.0104.C16.o2.np	Method	AAT/NAP
Start	10141	End	11915
GI	629693	Score	514
Exons	10141..11255, 11871..11915		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66929	Strand	-
Start	5642	End	9675
Name	OJ991208_09.0104.C16.o2.gs	Method	GENSCAN
Start	5642	End	9675

GI	none	Score	.52
Exons	5642..5766, 6178..6378, 6709..6799, 7370..7513, 7630..7722, 8458..8608, 9038..9119, 9426..9675		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66929	Strand	-
Start	5642	End	9675
Name	OJ991208_09.0104.C16.o1.np	Method	AAT/NAP
Start	5645	End	9675
GI	6815052	Score	851
Exons	5645..5767, 6047..6116, 6198..6630, 6679..6759, 7575..7722, 8590..8689, 8999..9151, 9400..9448, 9530..9675		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66930	Strand	-
Start	12674	End	13562
Name	OJ991208_09.0104.C16.o3.np	Method	AAT/NAP
Start	12674	End	13562
GI	6539581	Score	316
Exons	12674..12813, 13145..13562		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o1.tw	Method	TBLASTX:Wheat
Start	1801	End	2210
GI	none	Score	582
Exons	1801..2208, 1809..2210, 1818..2171, 1919..2209		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o2.tm	Method	TBLASTX:Maize
Start	1861	End	2076
GI	none	Score	307
Exons	1861..2076, 1863..2075, 1864..2076		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o1.tm	Method	TBLASTX:Maize
Start	2077	End	2535
GI	none	Score	561
Exons	2077..2535, 2082..2171, 2226..2534		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o2.ts	Method	TBLASTX:Soybean
Start	2224	End	2692
GI	none	Score	189
Exons	2224..2505, 2259..2516, 2505..2690, 2546..2692		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16

Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o3.ts	Method	TBLASTX:Soybean
Start	3253	End	13285
GI	none	Score	220
Exons	3253..3465, 3254..3559, 3680..3790, 13148..13285, 13154..13285		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o3.tm	Method	TBLASTX:Maize
Start	3277	End	3553
GI	none	Score	213
Exons	3277..3450, 3278..3553		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o1.ts	Method	TBLASTX:Soybean
Start	5019	End	5436
GI	none	Score	128
Exons	5019..5144, 5020..5130, 5020..5157, 5194..5436, 5205..5279, 5334..5432		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o3.tw	Method	TBLASTX:Wheat
Start	5065	End	5499
GI	none	Score	60
Exons	5065..5130, 5208..5282, 5209..5499, 5334..5414		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o5.ts	Method	TBLASTX:Soybean
Start	10361	End	10672
GI	none	Score	191
Exons	10361..10672, 10378..10572		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o4.tw	Method	TBLASTX:Wheat
Start	10432	End	10792
GI	none	Score	178
Exons	10432..10608, 10433..10792		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o4.ts	Method	TBLASTX:Soybean
Start	11014	End	11258
GI	none	Score	191
Exons	11014..11181, 11028..11144, 11184..11258		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16

Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o2.tw	Method	TBLASTX:Wheat
Start	13178	End	13498
GI	none	Score	151
Exons	13178..13453, 13178..13498		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o4.np	Method	AAT/NAP
Start	14381	End	16526
GI	6063554	Score	206
Exons	14381..14555, 15192..15220, 15862..15978, 16013..16087, 16406..16526		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32295	Seq. ID	OJ991208_09.0104.C16
Gene No.	66931	Strand	-
Start	14381	End	16526
Name	OJ991208_09.0104.C16.o4.gs	Method	GENSCAN
Start	15655	End	16468
GI	none	Score	.95
Exons	15655..16468		

Seq. No.	32296	Seq. ID	OJ991208_09.0104.C17
Gene No.	66932	Strand	+
Start	5113	End	6977
Name	OJ991208_09.0104.C17.o1.np	Method	AAT/NAP
Start	5113	End	6977
GI	5295955	Score	279
Exons	5113..5184, 5726..5840, 6522..6977		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	32296	Seq. ID	OJ991208_09.0104.C17
Gene No.	66933	Strand	-
Start	65	End	405
Name	OJ991208_09.0104.C17.o1.gs	Method	GENSCAN
Start	65	End	405
GI	none	Score	.74
Exons	65..405		

Seq. No.	32296	Seq. ID	OJ991208_09.0104.C17
Gene No.	66934	Strand	-
Start	2440	End	3074
Name	OJ991208_09.0104.C17.o1.gp	Method	AAT/GAP
Start	2440	End	3074
GI	20494_3.R1084	Score	1034
Exons	2440..3074		
GI Descrip.	'1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_ (X97484) orf01 [Arabidopsis thaliana]'		

Seq. No.	32296	Seq. ID	OJ991208_09.0104.C17

Gene No.	66935	Strand	-
Start	6571	End	6846
Name	OJ991208_09.0104.C17.o3.gs	Method	GENSCAN
Start	6571	End	6846
GI	none	Score	.52
Exons	6571..6719, 6763..6846		

Seq. No.	32297	Seq. ID	OJ991208_09.0104.C18
Gene No.	66936	Strand	+
Start	48	End	3605
Name	OJ991208_09.0104.C18.o1.gs	Method	GENSCAN
Start	48	End	3605
GI	none	Score	.69
Exons	48..163, 1515..1643, 3533..3605		

Seq. No.	32297	Seq. ID	OJ991208_09.0104.C18
Gene No.	66937	Strand	+
Start	4356	End	6859
Name	OJ991208_09.0104.C18.o2.gs	Method	GENSCAN
Start	4356	End	6766
GI	none	Score	.52
Exons	4356..4551, 5925..6766		

Seq. No.	32297	Seq. ID	OJ991208_09.0104.C18
Gene No.	66937	Strand	+
Start	4356	End	6859
Name	OJ991208_09.0104.C18.o1.np	Method	AAT/NAP
Start	5966	End	6859
GI	5902448	Score	1440
Exons	5966..6859		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	32297	Seq. ID	OJ991208_09.0104.C18
Gene No.	66938	Strand	+
Start	6947	End	7144
Name	OJ991208_09.0104.C18.o2.np	Method	AAT/NAP
Start	6947	End	7144
GI	5902447	Score	222
Exons	6947..7144		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	32297	Seq. ID	OJ991208_09.0104.C18
Gene No.	66939	Strand	-
Start	744	End	1033
Name	OJ991208_09.0104.C18.o1.gp	Method	AAT/GAP
Start	744	End	1033
GI	3759000	Score	392
Exons	744..1033		

Seq. No.	32297	Seq. ID	OJ991208_09.0104.C18
Gene No.	66940	Strand	
Start	6086	End	6376
Name	OJ991208_09.0104.C18.o1.tw	Method	TBLASTX:Wheat
Start	6086	End	6376
GI	none	Score	203
Exons	6086..6376		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66941	Strand	+
Start	1	End	2156
Name	OJ991208_09.0104.C19.o1.np	Method	AAT/NAP
Start	1	End	2156
GI	6691716	Score	1398
Exons	1..92, 280..475, 558..660, 737..927, 1005..1192, 1267..1362, 1513..1633, 1708..2156		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66941	Strand	+
Start	1	End	2156
Name	OJ991208_09.0104.C19.o1.gs	Method	GENSCAN
Start	450	End	2096
GI	none	Score	.83
Exons	450..475, 558..763, 793..927, 1005..1192, 1728..2096		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66942	Strand	+
Start	9209	End	14112
Name	OJ991208_09.0104.C19.o3.gs	Method	GENSCAN
Start	9209	End	14112
GI	none	Score	.41
Exons	9209..9231, 9369..9643, 11176..11331, 12160..12433, 13306..13411, 14029..14112		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o7.tw	Method	TBLASTX:Wheat
Start	2503	End	3116
GI	none	Score	61
Exons	2503..2640, 2766..3116, 2869..2961, 3028..3096		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o2.np	Method	AAT/NAP
Start	2527	End	8611
GI	5922631	Score	6664
Exons	2527..5053, 5654..6580, 6707..6859, 6902..7473, 7519..7726, 7984..8228, 8487..8611		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o4.tm	Method	TBLASTX:Maize

Start	2542	End	2767
GI	none	Score	105
Exons	2542..2643, 2543..2644, 2623..2751, 2624..2767		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o2.gs	Method	GENSCAN
Start	2748	End	8611
GI	none	Score	.58
Exons	2748..2884, 3029..3271, 3339..3392, 3422..3563, 3789..5565, 5662..6201, 6271..6789, 6797..7434, 7457..7573, 7641..7795, 7993..8156, 8487..8611		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o2.tw	Method	TBLASTX:Wheat
Start	3231	End	3618
GI	none	Score	84
Exons	3231..3371, 3231..3617, 3307..3618		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o1.tm	Method	TBLASTX:Maize
Start	3300	End	3624
GI	none	Score	268
Exons	3300..3623, 3313..3624		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o9.tw	Method	TBLASTX:Wheat
Start	3621	End	3920
GI	none	Score	128
Exons	3621..3719, 3786..3920		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o3.tw	Method	TBLASTX:Wheat
Start	3936	End	4358
GI	none	Score	228
Exons	3936..4358, 4012..4356		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o2.ts	Method	TBLASTX:Soybean
Start	3979	End	4367
GI	none	Score	58
Exons	3979..4098, 3981..4223, 4147..4227, 4263..4367, 4264..4359		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611

Name	OJ991208_09.0104.C19.o4.tw	Method	TBLASTX:Wheat
Start	4410	End	4833
GI	none	Score	114
Exons	4410..4823, 4411..4833		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o2.tm	Method	TBLASTX:Maize
Start	4482	End	4926
GI	none	Score	53
Exons	4482..4508, 4506..4649, 4518..4637, 4519..4650, 4671..4898, 4671..4925, 4672..4926		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o1.ts	Method	TBLASTX:Soybean
Start	4593	End	5024
GI	none	Score	99
Exons	4593..5024, 4602..4961, 4819..4977		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o1.tw	Method	TBLASTX:Wheat
Start	4869	End	5288
GI	none	Score	98
Exons	4869..5288, 4870..4980, 5073..5255, 5083..5286		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o3.tm	Method	TBLASTX:Maize
Start	5157	End	5508
GI	none	Score	107
Exons	5157..5348, 5167..5349, 5349..5507, 5353..5508		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o5.tw	Method	TBLASTX:Wheat
Start	5319	End	5672
GI	none	Score	168
Exons	5319..5348, 5349..5657, 5349..5672, 5353..5658		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o5.tm	Method	TBLASTX:Maize
Start	5829	End	6006
GI	none	Score	105
Exons	5829..6005, 5868..6005, 5881..6006		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611

Name	OJ991208_09.0104.C19.o6.tw	Method	TBLASTX:Wheat
Start	5857	End	6314
GI	none	Score	156
Exons	5857..6093, 5859..6095, 6138..6314		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o6.tm	Method	TBLASTX:Maize
Start	6796	End	7056
GI	none	Score	132
Exons	6796..7056, 6851..7054		

Seq. No.	32298	Seq. ID	OJ991208_09.0104.C19
Gene No.	66943	Strand	-
Start	2748	End	8611
Name	OJ991208_09.0104.C19.o8.tw	Method	TBLASTX:Wheat
Start	6895	End	7291
GI	none	Score	114
Exons	6895..7290, 6989..7291		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66944	Strand	+
Start	472	End	1662
Name	OJ991208_09.0104.C20.o1.gs	Method	GENSCAN
Start	472	End	1662
GI	none	Score	.93
Exons	472..646, 810..986, 1496..1662		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66945	Strand	+
Start	9258	End	9879
Name	OJ991208_09.0104.C20.o1.gp	Method	AAT/GAP
Start	9258	End	9879
GI	4027_1.R1084	Score	1195
Exons	9258..9879		
GI Descrip.	'6041792/gb|AAF02112.1|AC009755_5 1.0e-23 (AC009755) unknown protein [Arabidopsis thaliana]'		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66946	Strand	-
Start	2341	End	2418
Name	OJ991208_09.0104.C20.o1.np	Method	AAT/NAP
Start	2341	End	2418
GI	6630699	Score	69
Exons	2341..2418		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66947	Strand	-
Start	4035	End	8678
Name	OJ991208_09.0104.C20.o2.np	Method	AAT/NAP
Start	4035	End	8660
GI	4587595	Score	745
Exons	4035..4225, 5359..5847, 8292..8660		

GI Descrip. (AC006951) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66947	Strand	-
Start	4035	End	8678
Name	OJ991208_09.0104.C20.o3.gs	Method	GENSCAN
Start	7952	End	8678
GI	none	Score	.83
Exons	7952..8023, 8292..8678		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o4.ts	Method	TBLASTX:Soybean
Start	4071	End	5779
GI	none	Score	75
Exons	4071..4226, 5357..5581, 5424..5576, 5645..5779		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o4.tm	Method	TBLASTX:Maize
Start	5345	End	5797
GI	none	Score	65
Exons	5345..5518, 5358..5519, 5491..5562, 5492..5626, 5504..5578, 5642..5794, 5693..5797		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o1.tc	Method	TBLASTX:Cress
Start	8292	End	8562
GI	none	Score	210
Exons	8292..8561, 8293..8562		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o2.ts	Method	TBLASTX:Soybean
Start	8292	End	8562
GI	none	Score	222
Exons	8292..8561, 8305..8562		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o3.tm	Method	TBLASTX:Maize
Start	8298	End	8562
GI	none	Score	47
Exons	8298..8561, 8305..8349, 8383..8562		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o2.tm	Method	TBLASTX:Maize
Start	9520	End	9755

GI	none	Score	191
Exons	9520..9741, 9524..9742, 9526..9753, 9549..9755		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o4.gs	Method	GENSCAN
Start	9523	End	13085
GI	none	Score	.83
Exons	9523..9917, 9932..10219, 10286..10334, 10945..11448, 11574..12599, 12942..13085		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o3.np	Method	AAT/NAP
Start	9532	End	13229
GI	6041792	Score	2801
Exons	9532..10334, 10945..11448, 11574..12599, 12942..13229		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana]		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o5.tc	Method	TBLASTX:Cress
Start	9541	End	9741
GI	none	Score	77
Exons	9541..9741, 9655..9732		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o1.tm	Method	TBLASTX:Maize
Start	9760	End	12507
GI	none	Score	223
Exons	9760..9948, 9761..9946, 9944..10018, 9946..10020, 9948..10022, 9993..10085, 9994..10080, 10002..10091, 10007..10105, 10025..10342, 10173..10334, 10931..11449, 10942..11463, 11388..11456, 11574..12470, 11574..12449, 12130..12507		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o3.tc	Method	TBLASTX:Cress
Start	9802	End	10096
GI	none	Score	68
Exons	9802..9954, 9803..9871, 9957..10085, 9958..10080, 9968..10096, 9969..10085		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o2.gp	Method	AAT/GAP
Start	9851	End	11293
GI	7916_1.R1084	Score	1560
Exons	9851..10334, 10945..11293		
GI Descrip.	'6041792/gb|AAF02112.1|AC009755_5 6.0e-97 (AC009755) unknown		

protein [Arabidopsis thaliana]'

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o6.ts	Method	TBLASTX:Soybean
Start	9919	End	10085
GI	none	Score	159
Exons	9919..10080, 9948..10085		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o1.ts	Method	TBLASTX:Soybean
Start	10155	End	11169
GI	none	Score	89
Exons	10155..10334, 10173..10334, 10219..10335, 10942..11169, 10946..11125, 10947..11159		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o4.tc	Method	TBLASTX:Cress
Start	10167	End	11106
GI	none	Score	125
Exons	10167..10334, 10173..10334, 10223..10357, 10942..11106, 10946..11101		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o7.ts	Method	TBLASTX:Soybean
Start	11227	End	11736
GI	none	Score	122
Exons	11227..11340, 11228..11344, 11380..11418, 11574..11735, 11578..11736		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o3.ts	Method	TBLASTX:Soybean
Start	11931	End	12164
GI	none	Score	136
Exons	11931..12164, 11944..12063, 11996..12127		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o5.ts	Method	TBLASTX:Soybean
Start	12165	End	12432
GI	none	Score	134
Exons	12165..12371, 12166..12303, 12361..12432, 12375..12431		

Seq. No.	32299	Seq. ID	OJ991208_09.0104.C20
Gene No.	66948	Strand	-
Start	9523	End	13229
Name	OJ991208_09.0104.C20.o2.tc	Method	TBLASTX:Cress

Start	12235	End	13118
GI	none	Score	97
Exons	12235..12369, 12237..12368, 12357..12470, 12358..12600, 12369..12590, 12918..13118, 12964..13089		

Seq. No.	32300	Seq. ID	OJ991028_04.0119.C1
Gene No.	66949	Strand	-
Start	73	End	1146
Name	OJ991028_04.0119.C1.o1.gs	Method	GENSCAN
Start	73	End	1026
GI	none	Score	.99
Exons	73..1026		

Seq. No.	32300	Seq. ID	OJ991028_04.0119.C1
Gene No.	66949	Strand	-
Start	73	End	1146
Name	OJ991028_04.0119.C1.o1.tw	Method	TBLASTX:Wheat
Start	793	End	1146
GI	none	Score	173
Exons	793..1146		

Seq. No.	32301	Seq. ID	OJ991028_04.0119.C2
Gene No.	66950	Strand	+
Start	2522	End	3937
Name	OJ991028_04.0119.C2.o1.np	Method	AAT/NAP
Start	2522	End	3937
GI	6721512	Score	181
Exons	2522..2636, 2664..2796, 2839..2875, 2990..3030, 3906..3937		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32301	Seq. ID	OJ991028_04.0119.C2
Gene No.	66951	Strand	-
Start	3855	End	3937
Name	OJ991028_04.0119.C2.o2.np	Method	AAT/NAP
Start	3855	End	3937
GI	6498434	Score	131
Exons	3855..3937		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	32302	Seq. ID	OJ991028_04.0119.C3
Gene No.	66952	Strand	-
Start	625	End	783
Name	OJ991028_04.0119.C3.o1.gs	Method	GENSCAN
Start	625	End	783
GI	none	Score	.65
Exons	625..783		

Seq. No.	32302	Seq. ID	OJ991028_04.0119.C3
Gene No.	66953	Strand	-
Start	795	End	879
Name	OJ991028_04.0119.C3.o1.np	Method	AAT/NAP
Start	795	End	879
GI	6498434	Score	117
Exons	795..879		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	32302	Seq. ID	OJ991028_04.0119.C3

Gene No.	66954	Strand	-
Start	1903	End	2053
Name	OJ991028_04.0119.C3.o1.tm	Method	TBLASTX:Maize
Start	2	End	764
GI	none	Score	58
Exons	2..79, 4..87, 5..112, 5..88, 13..87, 111..239, 111..266, 122..232, 124..309, 126..230, 128..232, 130..255, 133..240, 139..225, 262..408, 276..392, 279..419, 284..394, 284..418, 285..410, 288..395, 294..380, 308..421, 430..576, 432..542, 435..527, 439..573, 440..523, 449..520, 463..540, 586..735, 589..747, 596..697, 597..764, 597..749, 598..750, 599..736, 599..742, 602..760, 604..723, 605..700, 621..701, 685..747		

Seq. No.	32302	Seq. ID	OJ991028_04.0119.C3
Gene No.	66954	Strand	-
Start	1903	End	2053
Name	OJ991028_04.0119.C3.o1.gp	Method	AAT/GAP
Start	1903	End	2053
GI	uC-osflcyp001c04b2	Score	204
Exons	1903..2053		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	32303	Seq. ID	OJ991028_04.0119.C4
Gene No.	66955	Strand	+
Start	4750	End	5475
Name	OJ991028_04.0119.C4.o1.gs	Method	GENSCAN
Start	4750	End	5475
GI	none	Score	.42
Exons	4750..5475		

Seq. No.	32303	Seq. ID	OJ991028_04.0119.C4
Gene No.	66956	Strand	-
Start	7106	End	8306
Name	OJ991028_04.0119.C4.o2.gs	Method	GENSCAN
Start	7106	End	8306
GI	none	Score	.43
Exons	7106..7570, 7640..8025, 8219..8306		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66957	Strand	+
Start	4178	End	9953
Name	OJ991028_04.0119.C5.o1.np	Method	AAT/NAP
Start	4178	End	9953
GI	6466937	Score	1533
Exons	4178..4530, 7481..9668, 9804..9953		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66958	Strand	+
Start	20868	End	22688
Name	OJ991028_04.0119.C5.o4.gs	Method	GENSCAN
Start	20868	End	22688
GI	none	Score	.67
Exons	20868..20959, 21869..22083, 22489..22688		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66959	Strand	+
Start	23378	End	25800
Name	OJ991028_04.0119.C5.o5.gs	Method	GENSCAN
Start	23378	End	25800
GI	none	Score	.58
Exons	23378..23540, 23977..24098, 25609..25800		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66960	Strand	+
Start	27129	End	33798
Name	OJ991028_04.0119.C5.o6.gs	Method	GENSCAN
Start	27129	End	30081
GI	none	Score	.49
Exons	27129..27132, 27740..27863, 28021..28397, 29157..29266, 29956..30081		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66960	Strand	+
Start	27129	End	33798
Name	OJ991028_04.0119.C5.o3.np	Method	AAT/NAP
Start	27726	End	31889
GI	5803259	Score	250
Exons	27726..28477, 31863..31889		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66960	Strand	+
Start	27129	End	33798
Name	OJ991028_04.0119.C5.o4.np	Method	AAT/NAP
Start	29980	End	30817
GI	6063554	Score	137
Exons	29980..30009, 30644..30817		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66960	Strand	+
Start	27129	End	33798
Name	OJ991028_04.0119.C5.o7.gs	Method	GENSCAN
Start	30988	End	33798
GI	none	Score	.73
Exons	30988..30991, 31534..31911, 31936..32019, 32349..32883, 33021..33166, 33284..33459, 33568..33798		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66961	Strand	-
Start	4022	End	10657
Name	OJ991028_04.0119.C5.o2.gs	Method	GENSCAN
Start	4022	End	10657
GI	none	Score	.51
Exons	4022..4177, 5849..5939, 6471..6532, 6612..6665, 6761..6843, 9107..9274, 9721..9842, 9923..9983, 10302..10375, 10647..10657		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5

Gene No.	66962	Strand	-
Start	13694	End	24008
Name	OJ991028_04.0119.C5.o3.gs	Method	GENSCAN
Start	13694	End	18822
GI	none	Score	.42
Exons	13694..13773, 15057..15464, 15491..16388, 16993..17116, 17793..17867, 18773..18822		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66962	Strand	-
Start	13694	End	24008
Name	OJ991028_04.0119.C5.o2.np	Method	AAT/NAP
Start	16784	End	24008
GI	4539658	Score	102
Exons	16784..16934, 19444..19571, 19650..19753, 23983..24008		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o3.tw	Method	TBLASTX:Wheat
Start	4171	End	4547
GI	none	Score	299
Exons	4171..4539, 4179..4547		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o3.tm	Method	TBLASTX:Maize
Start	4174	End	7606
GI	none	Score	409
Exons	4174..4530, 4182..4529, 7474..7605, 7475..7606		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o5.tw	Method	TBLASTX:Wheat
Start	7475	End	8176
GI	none	Score	217
Exons	7475..7738, 8114..8176		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o2.tm	Method	TBLASTX:Maize
Start	7794	End	8266
GI	none	Score	70
Exons	7794..7877, 7879..8250, 7880..8266		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o2.tw	Method	TBLASTX:Wheat
Start	8276	End	8672
GI	none	Score	121
Exons	8276..8452, 8450..8518, 8454..8672, 8603..8671		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o1.tm	Method	TBLASTX:Maize
Start	8505	End	35121
GI	none	Score	689
Exons	8505..9140, 8507..9130, 34951..35121		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o1.ts	Method	TBLASTX:Soybean
Start	8544	End	8912
GI	none	Score	309
Exons	8544..8912, 8621..8911		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o1.tw	Method	TBLASTX:Wheat
Start	8934	End	35031
GI	none	Score	68
Exons	8934..8999, 9105..9140, 34423..34554, 34579..35031, 34775..34882, 34928..35017		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o4.tm	Method	TBLASTX:Maize
Start	9239	End	9777
GI	none	Score	49
Exons	9239..9283, 9252..9296, 9292..9468, 9293..9712, 9571..9777, 9660..9719		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o4.tw	Method	TBLASTX:Wheat
Start	9292	End	9534
GI	none	Score	223
Exons	9292..9534, 9293..9508		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o8.gs	Method	GENSCAN
Start	34411	End	35822
GI	none	Score	.95
Exons	34411..35323, 35788..35822		

Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o5.np	Method	AAT/NAP
Start	34414	End	35367
GI	5902445	Score	829

Exons	34414..35367		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o5.tm	Method	TBLASTX:Maize
Start	34546	End	34809
GI	none	Score	196
Exons	34546..34809		
Seq. No.	32304	Seq. ID	OJ991028_04.0119.C5
Gene No.	66963	Strand	-
Start	34411	End	35822
Name	OJ991028_04.0119.C5.o6.tw	Method	TBLASTX:Wheat
Start	35053	End	35309
GI	none	Score	79
Exons	35053..35214, 35066..35215, 35228..35293, 35228..35305, 35229..35309		
Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66964	Strand	+
Start	17545	End	22679
Name	OJ991028_04.0119.C6.o4.np	Method	AAT/NAP
Start	17545	End	22679
GI	6498441	Score	6470
Exons	17545..18609, 18940..19403, 19467..19840, 20024..20158, 20333..21056, 21228..22679		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o1.gs	Method	GENSCAN
Start	396	End	14724
GI	none	Score	.44
Exons	396..1870, 2244..3701, 3723..3938, 4002..4818, 5210..5530, 7888..7980, 8034..8286, 9018..9287, 9350..9742, 10024..10524, 10579..11108, 11166..11270, 11385..11869, 11936..12521, 12690..13266, 14690..14724		
Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o1.np	Method	AAT/NAP
Start	432	End	4850
GI	4539660	Score	4536
Exons	432..4850		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		
Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o10.tw	Method	TBLASTX:Wheat
Start	444	End	777

GI	none	Score	79
Exons	444..776, 465..626, 496..777		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o1.tm	Method	TBLASTX:Maize
Start	639	End	1224
GI	none	Score	100
Exons	639..1064, 640..837, 660..905, 892..1065, 1062..1223, 1069..1224		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o1.tw	Method	TBLASTX:Wheat
Start	777	End	22425
GI	none	Score	44
Exons	777..1403, 778..837, 786..1343, 895..1344, 22306..22383, 22363..22425		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o4.tm	Method	TBLASTX:Maize
Start	1272	End	1563
GI	none	Score	290
Exons	1272..1562, 1276..1563, 1276..1563		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o2.ts	Method	TBLASTX:Soybean
Start	1362	End	1622
GI	none	Score	195
Exons	1362..1622, 1363..1611		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o1.tc	Method	TBLASTX:Cress
Start	1386	End	1712
GI	none	Score	87
Exons	1386..1529, 1387..1527, 1530..1712		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o2.tw	Method	TBLASTX:Wheat
Start	1410	End	22140
GI	none	Score	171
Exons	1410..1640, 1410..1937, 1414..1767, 22024..22140		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o4.tw	Method	TBLASTX:Wheat
Start	2019	End	2434

GI	none	Score	245
Exons	2019..2051, 2042..2254, 2047..2433, 2048..2320, 2339..2434		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o2.tm	Method	TBLASTX:Maize
Start	2083	End	20504
GI	none	Score	80
Exons	2083..2124, 2116..2523, 2131..2346, 2147..2470, 10074..10184, 10233..10454, 20277..20504		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o3.ts	Method	TBLASTX:Soybean
Start	2149	End	2397
GI	none	Score	38
Exons	2149..2397, 2168..2212, 2267..2371		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o1.ts	Method	TBLASTX:Soybean
Start	2419	End	20387
GI	none	Score	186
Exons	2419..2670, 2429..2662, 2449..2679, 2725..2778, 2735..2776, 2782..2814, 2782..2814, 10350..10697, 20016..20387		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o5.tw	Method	TBLASTX:Wheat
Start	2440	End	20465
GI	none	Score	238
Exons	2440..2649, 10267..10581, 10269..10691, 10299..10688, 20045..20440, 20046..20465		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o6.tm	Method	TBLASTX:Maize
Start	2533	End	20272
GI	none	Score	91
Exons	2533..2649, 10458..10748, 10465..10581, 19988..20272, 19989..20270		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o12.tw	Method	TBLASTX:Wheat
Start	2701	End	2877
GI	none	Score	133
Exons	2701..2850, 2703..2813, 2712..2855, 2728..2877, 2732..2869		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-

Start	396	End	22425
Name	OJ991028_04.0119.C6.o3.tm	Method	TBLASTX:Maize
Start	2860	End	19961
GI	none	Score	196
Exons	2860..3105, 10776..11132, 10777..11043, 10827..11078, 19605..19961, 19640..19951, 19845..19961		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o3.tw	Method	TBLASTX:Wheat
Start	2887	End	19937
GI	none	Score	238
Exons	2887..3105, 10806..11261, 10807..11043, 10856..11059, 11113..11262, 19475..19930, 19476..19937, 19476..19931		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o5.ts	Method	TBLASTX:Soybean
Start	2887	End	11021
GI	none	Score	108
Exons	2887..3201, 10815..11021		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o8.tm	Method	TBLASTX:Maize
Start	3169	End	3336
GI	none	Score	111
Exons	3169..3336, 3221..3322		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o11.tw	Method	TBLASTX:Wheat
Start	3370	End	3723
GI	none	Score	70
Exons	3370..3723, 3445..3723		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o8.tw	Method	TBLASTX:Wheat
Start	4057	End	4407
GI	none	Score	318
Exons	4057..4407		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o7.tm	Method	TBLASTX:Maize
Start	4102	End	4407
GI	none	Score	62
Exons	4102..4407, 4198..4407		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6

Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o14.tw	Method	TBLASTX:Wheat
Start	4459	End	4657
GI	none	Score	113
Exons	4459..4656, 4460..4657		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o2.np	Method	AAT/NAP
Start	8970	End	11207
GI	5902445	Score	2120
Exons	8970..9353, 9391..11207		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o5.tm	Method	TBLASTX:Maize
Start	8978	End	22203
GI	none	Score	130
Exons	8978..9211, 8985..9194, 21880..22194, 21915..22181, 21991..22203		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o13.tw	Method	TBLASTX:Wheat
Start	9005	End	22023
GI	none	Score	111
Exons	9005..9322, 21787..22023, 21907..22020, 21939..22022		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o15.tw	Method	TBLASTX:Wheat
Start	9380	End	21677
GI	none	Score	83
Exons	9380..9661, 9418..9675, 21365..21541, 21378..21566, 21417..21677		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o7.tw	Method	TBLASTX:Wheat
Start	9715	End	21362
GI	none	Score	88
Exons	9715..9891, 9896..10039, 9898..10038, 10026..10121, 20904..21152, 20928..21143, 20993..21169, 21213..21362, 21224..21361		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o4.ts	Method	TBLASTX:Soybean
Start	9715	End	21617
GI	5666795	Score	62
Exons	9715..9864, 9904..9999, 21051..21143, 21225..21362, 21417..21617		

GI Descrip. 4206306-2.0e-10 (AF049110) prpol [Zea mays]

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o6.ts	Method	TBLASTX:Soybean
Start	11028	End	19880
GI	none	Score	106
Exons	11028..11222, 19515..19739, 19746..19880		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o3.np	Method	AAT/NAP
Start	11274	End	15045
GI	5902444	Score	865
Exons	11274..12840, 13027..13258, 15001..15045		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o6.tw	Method	TBLASTX:Wheat
Start	11454	End	19310
GI	none	Score	113
Exons	11454..11690, 11511..11687, 11602..11688, 11727..11897, 11728..11901, 18824..18997, 18825..19310, 19019..19279		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o9.tw	Method	TBLASTX:Wheat
Start	12459	End	18086
GI	none	Score	73
Exons	12459..12731, 12511..12711, 12687..12803, 12700..12801, 12804..12848, 17697..17741, 17748..17846, 17765..17845, 17813..18052, 17829..18086		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o9.tm	Method	TBLASTX:Maize
Start	12570	End	17984
GI	none	Score	83
Exons	12570..12809, 12571..12825, 17736..17984, 17738..17983		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66965	Strand	-
Start	396	End	22425
Name	OJ991028_04.0119.C6.o2.gs	Method	GENSCAN
Start	14917	End	15897
GI	none	Score	.94
Exons	14917..15897		

Seq. No.	32305	Seq. ID	OJ991028_04.0119.C6
Gene No.	66966	Strand	
Start	22431	End	22647

Name	OJ991028_04.0119.C6.o16.tw	Method	TBLASTX:Wheat
Start	22431	End	22647
GI	none	Score	177
Exons	22431..22646, 22432..22647		

Seq. No.	32306	Seq. ID	OJ991028_04.0119.C7
Gene No.	66967	Strand	-
Start	179	End	991
Name	OJ991028_04.0119.C7.o1.gs	Method	GENSCAN
Start	179	End	922
GI	none	Score	.58
Exons	179..922		

Seq. No.	32306	Seq. ID	OJ991028_04.0119.C7
Gene No.	66967	Strand	-
Start	179	End	991
Name	OJ991028_04.0119.C7.o1.np	Method	AAT/NAP
Start	182	End	991
GI	6907089	Score	1171
Exons	182..991		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32307	Seq. ID	OJ991028_04.0119.C8
Gene No.	66968	Strand	-
Start	1	End	2475
Name	OJ991028_04.0119.C8.o1.np	Method	AAT/NAP
Start	1	End	2056
GI	6907089	Score	2697
Exons	1..692, 796..2056		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32307	Seq. ID	OJ991028_04.0119.C8
Gene No.	66968	Strand	-
Start	1	End	2475
Name	OJ991028_04.0119.C8.o1.gs	Method	GENSCAN
Start	14	End	2475
GI	none	Score	.46
Exons	14..659, 954..1524, 1593..1801, 1940..2075, 2246..2361, 2416..2475		

Seq. No.	32308	Seq. ID	OJ991028_04.0119.C9
Gene No.	66969	Strand	+
Start	109	End	2927
Name	OJ991028_04.0119.C9.o1.gs	Method	GENSCAN
Start	109	End	2927
GI	none	Score	.61
Exons	109..279, 451..522, 1284..1683, 1898..2070, 2177..2350, 2618..2741, 2827..2927		

Seq. No.	32308	Seq. ID	OJ991028_04.0119.C9
Gene No.	66969	Strand	+
Start	109	End	2927
Name	OJ991028_04.0119.C9.o1.ts	Method	TBLASTX:Soybean
Start	1583	End	2323
GI	none	Score	86
Exons	1583..1633, 1895..1972, 1896..2036, 1896..2072, 1897..2073, 2174..2323, 2176..2322		

Seq. No.	32308	Seq. ID	OJ991028_04.0119.C9
Gene No.	66969	Strand	+
Start	109	End	2927
Name	OJ991028_04.0119.C9.o1.np	Method	AAT/NAP
Start	1753	End	2894
GI	6753636	Score	372
Exons	1753..1817, 1887..2070, 2177..2350, 2618..2741, 2827..2894		
GI Descrip.	DinB homolog 1 (E. coli) gi|6049288|gb|AAF02541.1|AF163571_1 (AF163571) DINB protein [Mus musculus] gi|6463734|dbj|BAA86942.1| (AB027563) DINB1 [Mus musculus]		

Seq. No.	32308	Seq. ID	OJ991028_04.0119.C9
Gene No.	66969	Strand	+
Start	109	End	2927
Name	OJ991028_04.0119.C9.o1.tm	Method	TBLASTX:Maize
Start	1965	End	2921
GI	none	Score	123
Exons	1965..2072, 1967..2071, 1972..2073, 1973..2080, 2157..2357, 2174..2365, 2176..2364, 2583..2741, 2615..2740, 2617..2745, 2617..2751, 2823..2915, 2825..2920, 2826..2921		

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66970	Strand	+
Start	1	End	9748
Name	OJ991028_04.0119.C10.o1.np	Method	AAT/NAP
Start	1	End	7408
GI	6753636	Score	233
Exons	1..120, 433..553, 699..803, 1658..1773, 1884..2002, 7384..7408		
GI Descrip.	DinB homolog 1 (E. coli) gi|6049288|gb|AAF02541.1|AF163571_1 (AF163571) DINB protein [Mus musculus] gi|6463734|dbj|BAA86942.1| (AB027563) DINB1 [Mus musculus]		

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66970	Strand	+
Start	1	End	9748
Name	OJ991028_04.0119.C10.o1.gs	Method	GENSCAN
Start	699	End	3520
GI	none	Score	.93
Exons	699..827, 1682..1773, 1884..1995, 2413..2765, 2894..3123, 3403..3520		

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66970	Strand	+
Start	1	End	9748
Name	OJ991028_04.0119.C10.o1.gp	Method	AAT/GAP
Start	1936	End	1995
GI	2311422	Score	89
Exons	1936..1995		

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66970	Strand	+
Start	1	End	9748
Name	OJ991028_04.0119.C10.o2.np	Method	AAT/NAP
Start	4487	End	9709
GI	3335060	Score	3317
Exons	4487..4648, 5574..5646, 5786..7723, 7814..7972, 8741..8912,		

	8985..9283, 9473..9709		
GI Descrip.	(AF025842) plasma membrane-type calcium ATPase [Arabidopsis thaliana] gi|4468989|emb|CAB38303| (AL035605) plasma membrane-type calcium ATPase (ACA2) [Arabidopsis thaliana]		
Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66970	Strand	+
Start	1	End	9748
Name	OJ991028_04.0119.C10.o2.gs	Method	GENSCAN
Start	4636	End	9748
GI	none	Score	.56
Exons	4636..4827, 5584..5638, 5775..7723, 7814..7972, 8741..8912, 8985..9283, 9473..9748		
Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o1.tc	Method	TBLASTX:Cress
Start	5784	End	9709
GI	none	Score	156
Exons	5784..5918, 5787..6149, 5788..6981, 5789..6988, 6707..6991, 7001..7264, 7018..7119, 7189..7263, 7246..7725, 7256..7726, 7256..7738, 7808..7975, 7813..7980, 8734..8925, 8738..8926, 8742..8939, 8954..9286, 8983..9288, 9002..9295, 9472..9708, 9473..9709		
Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o3.tm	Method	TBLASTX:Maize
Start	5833	End	6097
GI	none	Score	257
Exons	5833..6096, 5834..6097		
Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o3.ts	Method	TBLASTX:Soybean
Start	5843	End	6300
GI	none	Score	279
Exons	5843..6280, 6025..6300		
Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o2.tm	Method	TBLASTX:Maize
Start	6250	End	6985
GI	none	Score	823
Exons	6250..6654, 6251..6967, 6254..6985		
Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o2.ts	Method	TBLASTX:Soybean
Start	6385	End	7099
GI	none	Score	703
Exons	6385..6987, 6386..6988, 6983..7099, 7009..7095		

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o1.tw	Method	TBLASTX:Wheat
Start	6825	End	7167
GI	none	Score	236
Exons	6825..6995, 6826..7086, 6827..6994, 6834..7001, 7004..7120, 7006..7167, 7009..7119, 7020..7166		

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o1.tm	Method	TBLASTX:Maize
Start	7054	End	9520
GI	none	Score	740
Exons	7054..7119, 7055..7726, 7186..7725, 7202..7738, 7808..7975, 7813..7980, 7813..7974, 8734..8916, 8738..8926, 8738..8923, 8954..9286, 8979..9038, 8983..9288, 9473..9520		

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o1.ts	Method	TBLASTX:Soybean
Start	7103	End	9709
GI	none	Score	735
Exons	7103..7726, 7137..7313, 7189..7725, 7381..7728, 7401..7733, 7808..7975, 7813..7980, 7855..7980, 8707..8916, 8738..8926, 8954..9286, 8965..9285, 8996..9301, 9449..9688, 9473..9709, 9514..9708		

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o6.tm	Method	TBLASTX:Maize
Start	9523	End	9721
GI	none	Score	47
Exons	9523..9576, 9524..9571, 9572..9721, 9577..9714, 9602..9721		

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o2.gp	Method	AAT/GAP
Start	12890	End	12992
GI	uC-osflcyp082b07a1	Score	146
Exons	12890..12992		
GI Descrip.	'218221/dbj|D10675|RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6 gene, repeat sequence'		

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o3.gs	Method	GENSCAN
Start	12998	End	22550
GI	none	Score	.55
Exons	12998..13181, 14029..14155, 14160..14338, 14374..14458, 14505..14612, 16282..17169, 17396..17543, 17833..18849,		

18980..19444, 22485..22550

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o5.tm	Method	TBLASTX:Maize
Start	16241	End	16474
GI	none	Score	184
Exons	16241..16474, 16241..16474		

Seq. No.	32309	Seq. ID	OJ991028_04.0119.C10
Gene No.	66971	Strand	-
Start	12998	End	22550
Name	OJ991028_04.0119.C10.o4.tm	Method	TBLASTX:Maize
Start	16658	End	16922
GI	none	Score	211
Exons	16658..16705, 16709..16921, 16710..16922		

Seq. No.	32310	Seq. ID	OJ991208_06.0107.C1
Gene No.	66972	Strand	-
Start	1101	End	2264
Name	OJ991208_06.0107.C1.o1.np	Method	AAT/NAP
Start	1069	End	2087
GI	6715737	Score	417
Exons	1069..1405, 1530..2087		
GI Descrip.	(AC016447) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	32310	Seq. ID	OJ991208_06.0107.C1
Gene No.	66972	Strand	-
Start	1101	End	2264
Name	OJ991208_06.0107.C1.o1.gs	Method	GENSCAN
Start	1101	End	2264
GI	none	Score	.89
Exons	1101..1517, 1575..2264		

Seq. No.	32310	Seq. ID	OJ991208_06.0107.C1
Gene No.	66972	Strand	-
Start	1101	End	2264
Name	OJ991208_06.0107.C1.o1.tm	Method	TBLASTX:Maize
Start	1119	End	1347
GI	none	Score	302
Exons	1119..1346, 1120..1347, 1306..1347		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2
Gene No.	66973	Strand	+
Start	1	End	527
Name	OJ991208_06.0107.C2.o1.np	Method	AAT/NAP
Start	1	End	279
GI	5777617	Score	108
Exons	1..34, 161..279		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2
Gene No.	66973	Strand	+
Start	1	End	527
Name	OJ991208_06.0107.C2.o1.gs	Method	GENSCAN
Start	46	End	527

GI	none	Score	.4
Exons	46..198, 441..527		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2
Gene No.	66974	Strand	+
Start	1597	End	1812
Name	OJ991208_06.0107.C2.o1.gp	Method	AAT/GAP
Start	1597	End	1812
GI	5867_1.R1084	Score	140
Exons	1597..1683, 1786..1812		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2
Gene No.	66975	Strand	-
Start	6517	End	7037
Name	OJ991208_06.0107.C2.o2.gp	Method	AAT/GAP
Start	6517	End	7037
GI	LIB3431-001-P1-N1-B5	Score	762
Exons	6517..6749, 6855..7037		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2
Gene No.	66976	Strand	-
Start	11531	End	13489
Name	OJ991208_06.0107.C2.o2.tw	Method	TBLASTX:Wheat
Start	4801	End	5170
GI	none	Score	99
Exons	4801..4908, 4821..4907, 4910..5170		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2
Gene No.	66976	Strand	-
Start	11531	End	13489
Name	OJ991208_06.0107.C2.o3.gp	Method	AAT/GAP
Start	11531	End	12991
GI	5002953	Score	1284
Exons	11531..11712, 12192..12601, 12860..12991		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2
Gene No.	66976	Strand	-
Start	11531	End	13489
Name	OJ991208_06.0107.C2.o1.tw	Method	TBLASTX:Wheat
Start	11756	End	12976
GI	none	Score	67
Exons	11756..11848, 11849..11953, 11877..11954, 11978..12019, 11978..12016, 12023..12070, 12059..12250, 12075..12215, 12254..12415, 12258..12398, 12434..12976, 12486..12932		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2

Gene No.	66976	Strand	-
Start	11531	End	13489
Name	OJ991208_06.0107.C2.o2.np	Method	AAT/NAP
Start	12144	End	13489
GI	6742729	Score	980
Exons	12144..13299, 13348..13489		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2
Gene No.	66976	Strand	-
Start	11531	End	13489
Name	OJ991208_06.0107.C2.o1.tc	Method	TBLASTX:Cress
Start	12263	End	12689
GI	none	Score	68
Exons	12263..12415, 12276..12398, 12434..12685, 12486..12689		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2
Gene No.	66976	Strand	-
Start	11531	End	13489
Name	OJ991208_06.0107.C2.o1.tm	Method	TBLASTX:Maize
Start	12587	End	13072
GI	none	Score	89
Exons	12587..13072, 12594..12743, 12879..13055		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2
Gene No.	66976	Strand	-
Start	11531	End	13489
Name	OJ991208_06.0107.C2.o3.tw	Method	TBLASTX:Wheat
Start	12980	End	13330
GI	none	Score	66
Exons	12980..13063, 12981..13064, 13100..13330, 13101..13301		

Seq. No.	32311	Seq. ID	OJ991208_06.0107.C2
Gene No.	66976	Strand	-
Start	11531	End	13489
Name	OJ991208_06.0107.C2.o2.tm	Method	TBLASTX:Maize
Start	13109	End	13324
GI	none	Score	93
Exons	13109..13171, 13178..13324, 13188..13295		

Seq. No.	32312	Seq. ID	OJ991208_06.0107.C3
Gene No.	66977	Strand	+
Start	2073	End	2513
Name	OJ991208_06.0107.C3.o1.gp	Method	AAT/GAP
Start	2073	End	2513
GI	uC-osf1M202014c01b1	Score	866
Exons	2073..2513		
GI Descrip.	'395930/emb|X66522|OSTOS12A 8.0e-49 O.sativa retrotransposon Tos1-2 >gi_2176333_dbj_E08212_E08212 DNA sequence containing retrotransposon region'		

Seq. No.	32312	Seq. ID	OJ991208_06.0107.C3
Gene No.	66978	Strand	-
Start	1	End	2420
Name	OJ991208_06.0107.C3.o1.np	Method	AAT/NAP
Start	1	End	2420
GI	4680203	Score	895

Exons	1..1161, 2366..2420		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	32312	Seq. ID	OJ991208_06.0107.C3
Gene No.	66979	Strand	-
Start	2524	End	2667
Name	OJ991208_06.0107.C3.o2.gp	Method	AAT/GAP
Start	2524	End	2667
GI	1427_1.R1084	Score	232
Exons	2524..2667		
GI Descrip.	'4504379/ref|NP_003658.1|pHG38| 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled receptor HG38 [Homo sapiens]'		
Seq. No.	32312	Seq. ID	OJ991208_06.0107.C3
Gene No.	66980	Strand	-
Start	3586	End	4429
Name	OJ991208_06.0107.C3.o1.tc	Method	TBLASTX:Cress
Start	31	End	361
GI	none	Score	59
Exons	31..360, 32..106, 73..177, 128..187, 224..361		
Seq. No.	32312	Seq. ID	OJ991208_06.0107.C3
Gene No.	66980	Strand	-
Start	3586	End	4429
Name	OJ991208_06.0107.C3.o1.tm	Method	TBLASTX:Maize
Start	58	End	270
GI	none	Score	97
Exons	58..258, 58..270		
Seq. No.	32312	Seq. ID	OJ991208_06.0107.C3
Gene No.	66980	Strand	-
Start	3586	End	4429
Name	OJ991208_06.0107.C3.o1.ts	Method	TBLASTX:Soybean
Start	109	End	528
GI	none	Score	101
Exons	109..357, 113..358, 407..526, 408..527, 409..528		
Seq. No.	32312	Seq. ID	OJ991208_06.0107.C3
Gene No.	66980	Strand	-
Start	3586	End	4429
Name	OJ991208_06.0107.C3.o1.tw	Method	TBLASTX:Wheat
Start	127	End	807
GI	none	Score	56
Exons	127..252, 256..360, 266..361, 407..568, 409..807		
Seq. No.	32312	Seq. ID	OJ991208_06.0107.C3
Gene No.	66980	Strand	-
Start	3586	End	4429
Name	OJ991208_06.0107.C3.o2.np	Method	AAT/NAP
Start	3586	End	4429
GI	4522005	Score	92
Exons	3586..3663, 4019..4429		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	32313	Seq. ID	OJ991208_06.0107.C4

Gene No.	66981	Strand	+
Start	6989	End	9469
Name	OJ991208_06.0107.C4.o1.np	Method	AAT/NAP
Start	6989	End	9469
GI	3738311	Score	105
Exons	6989..7614, 9422..9469		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	32313	Seq. ID	OJ991208_06.0107.C4
Gene No.	66981	Strand	+
Start	6989	End	9469
Name	OJ991208_06.0107.C4.o2.gs	Method	GENSCAN
Start	8117	End	9325
GI	none	Score	1
Exons	8117..9325		

Seq. No.	32314	Seq. ID	OJ991208_06.0107.C5
Gene No.	66982	Strand	+
Start	2988	End	3513
Name	OJ991208_06.0107.C5.o1.gs	Method	GENSCAN
Start	2988	End	3513
GI	none	Score	.42
Exons	2988..3116, 3130..3513		

Seq. No.	32314	Seq. ID	OJ991208_06.0107.C5
Gene No.	66983	Strand	-
Start	2414	End	2770
Name	OJ991208_06.0107.C5.o1.gp	Method	AAT/GAP
Start	2414	End	2770
GI	none	Score	639
Exons	2414..2770		

Seq. No.	32314	Seq. ID	OJ991208_06.0107.C5
Gene No.	66984	Strand	-
Start	4015	End	7272
Name	OJ991208_06.0107.C5.o2.tm	Method	TBLASTX:Maize
Start	3824	End	4183
GI	none	Score	126
Exons	3824..3982, 3831..3983, 4029..4181, 4031..4183		

Seq. No.	32314	Seq. ID	OJ991208_06.0107.C5
Gene No.	66984	Strand	-
Start	4015	End	7272
Name	OJ991208_06.0107.C5.o1.np	Method	AAT/NAP
Start	3860	End	5447
GI	5803254	Score	923
Exons	3860..4234, 4324..4479, 4595..4799, 4862..5447		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	32314	Seq. ID	OJ991208_06.0107.C5
Gene No.	66984	Strand	-
Start	4015	End	7272
Name	OJ991208_06.0107.C5.o2.gs	Method	GENSCAN
Start	4015	End	7272
GI	none	Score	.7

Exons	4015..4025, 4030..4234, 5007..5480, 6230..6336, 6462..6519, 7048..7272		
Seq. No.	32314	Seq. ID	OJ991208_06.0107.C5
Gene No.	66984	Strand	-
Start	4015	End	7272
Name	OJ991208_06.0107.C5.o1.tm	Method	TBLASTX:Maize
Start	4862	End	5219
GI	none	Score	161
Exons	4862..5134, 4863..5174, 4873..5202, 4876..5169, 4893..5186, 5175..5219, 5178..5219		
Seq. No.	32315	Seq. ID	OJ991208_06.0107.C6
Gene No.	66985	Strand	+
Start	126	End	430
Name	OJ991208_06.0107.C6.o1.gs	Method	GENSCAN
Start	126	End	430
GI	none	Score	.85
Exons	126..430		
Seq. No.	32315	Seq. ID	OJ991208_06.0107.C6
Gene No.	66986	Strand	+
Start	1197	End	1850
Name	OJ991208_06.0107.C6.o1.gp	Method	AAT/GAP
Start	1197	End	1850
GI	14669_1.R1084	Score	970
Exons	1197..1737, 1829..1850		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 7.0e-10 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	32315	Seq. ID	OJ991208_06.0107.C6
Gene No.	66987	Strand	-
Start	1573	End	4799
Name	OJ991208_06.0107.C6.o2.ts	Method	TBLASTX:Soybean
Start	1570	End	2136
GI	none	Score	92
Exons	1570..1785, 1573..1734, 1942..2136, 1942..2136		
Seq. No.	32315	Seq. ID	OJ991208_06.0107.C6
Gene No.	66987	Strand	-
Start	1573	End	4799
Name	OJ991208_06.0107.C6.o2.gs	Method	GENSCAN
Start	1573	End	4585
GI	none	Score	.89
Exons	1573..1734, 1945..2133, 2515..2790, 2883..3119, 4478..4585		
Seq. No.	32315	Seq. ID	OJ991208_06.0107.C6
Gene No.	66987	Strand	-
Start	1573	End	4799
Name	OJ991208_06.0107.C6.o1.np	Method	AAT/NAP
Start	1582	End	4799
GI	5734746	Score	1102
Exons	1582..1734, 1945..2133, 2515..2790, 2883..3119, 4478..4543, 4674..4799		
GI Descrip.	(AC007651) Similar to translation initiation factor IF2 [Arabidopsis thaliana]		

Seq. No.	32315	Seq. ID	OJ991208_06.0107.C6
Gene No.	66987	Strand	-
Start	1573	End	4799
Name	OJ991208_06.0107.C6.o1.tm	Method	TBLASTX:Maize
Start	1642	End	2728
GI	none	Score	132
Exons	1642..1785, 1642..1734, 1938..2045, 1939..2136, 1942..2136, 1944..2150, 2513..2728, 2514..2720, 2515..2727		

Seq. No.	32315	Seq. ID	OJ991208_06.0107.C6
Gene No.	66987	Strand	-
Start	1573	End	4799
Name	OJ991208_06.0107.C6.o2.gp	Method	AAT/GAP
Start	1928	End	2952
GI	uC-osflcyp009c09b1	Score	961
Exons	1928..2133, 2515..2790, 2883..2952		
GI Descrip.	'5734746/gb|AAD50011.1|AC007651_6 8.0e-48 (AC007651) Similar to translation initiation factor IF2 [Arabidopsis thaliana]'		

Seq. No.	32315	Seq. ID	OJ991208_06.0107.C6
Gene No.	66987	Strand	-
Start	1573	End	4799
Name	OJ991208_06.0107.C6.o1.ts	Method	TBLASTX:Soybean
Start	2522	End	4746
GI	none	Score	178
Exons	2522..2647, 2523..2747, 2524..2790, 2525..2791, 2536..2793, 2872..3132, 2877..3122, 4475..4546, 4476..4541, 4662..4745, 4672..4746		

Seq. No.	32315	Seq. ID	OJ991208_06.0107.C6
Gene No.	66987	Strand	-
Start	1573	End	4799
Name	OJ991208_06.0107.C6.o1.tc	Method	TBLASTX:Cress
Start	2635	End	4746
GI	none	Score	93
Exons	2635..2790, 2642..2791, 2872..3123, 2877..3122, 4475..4546, 4662..4745, 4672..4746		

Seq. No.	32315	Seq. ID	OJ991208_06.0107.C6
Gene No.	66987	Strand	-
Start	1573	End	4799
Name	OJ991208_06.0107.C6.o2.tm	Method	TBLASTX:Maize
Start	3084	End	4799
GI	none	Score	62
Exons	3084..3122, 3085..3123, 4447..4545, 4475..4546, 4476..4544, 4477..4545, 4659..4769, 4662..4748, 4675..4755, 4755..4799, 4769..4798		

Seq. No.	32315	Seq. ID	OJ991208_06.0107.C6
Gene No.	66987	Strand	-
Start	1573	End	4799
Name	OJ991208_06.0107.C6.o3.gp	Method	AAT/GAP
Start	4234	End	4799
GI	uC-osflM202046d06b1	Score	808
Exons	4234..4543, 4674..4799		
GI Descrip.	'5734746/gb|AAD50011.1|AC007651_6 6.0e-25 (AC007651) Similar to translation initiation factor IF2 [Arabidopsis thaliana]'		

Seq. No.	32316	Seq. ID	OJ991208_06.0107.C7
Gene No.	66988	Strand	-
Start	1	End	2408
Name	OJ991208_06.0107.C7.o1.np	Method	AAT/NAP
Start	1	End	2408
GI	5734746	Score	970
Exons	1..80, 168..317, 414..527, 1040..1072, 1153..2138, 2389..2408		
GI Descrip.	(AC007651) Similar to translation initiation factor IF2 [Arabidopsis thaliana]		

Seq. No.	32316	Seq. ID	OJ991208_06.0107.C7
Gene No.	66988	Strand	-
Start	1	End	2408
Name	OJ991208_06.0107.C7.o1.tc	Method	TBLASTX:Cress
Start	1	End	1197
GI	none	Score	83
Exons	1..90, 1..69, 3..95, 162..317, 165..284, 169..324, 202..339, 409..507, 414..530, 415..465, 1037..1075, 1153..1197		

Seq. No.	32316	Seq. ID	OJ991208_06.0107.C7
Gene No.	66988	Strand	-
Start	1	End	2408
Name	OJ991208_06.0107.C7.o1.ts	Method	TBLASTX:Soybean
Start	1	End	530
GI	none	Score	85
Exons	1..102, 3..95, 162..317, 165..284, 169..324, 295..318, 414..530, 415..465		

Seq. No.	32316	Seq. ID	OJ991208_06.0107.C7
Gene No.	66988	Strand	-
Start	1	End	2408
Name	OJ991208_06.0107.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	530
GI	none	Score	112
Exons	1..102, 3..95, 165..284, 168..314, 169..324, 169..330, 296..331, 409..492, 414..497, 415..465, 470..526, 492..530, 492..530		

Seq. No.	32316	Seq. ID	OJ991208_06.0107.C7
Gene No.	66988	Strand	-
Start	1	End	2408
Name	OJ991208_06.0107.C7.o1.gs	Method	GENSCAN
Start	1182	End	2327
GI	none	Score	.72
Exons	1182..2327		

Seq. No.	32317	Seq. ID	OJ991208_06.0107.C8
Gene No.	66989	Strand	+
Start	4441	End	4706
Name	OJ991208_06.0107.C8.o1.np	Method	AAT/NAP
Start	4441	End	4706
GI	4539333	Score	189
Exons	4441..4706		
GI Descrip.	(AL035539) putative amino acid transport protein [Arabidopsis thaliana]		

Seq. No.	32317	Seq. ID	OJ991208_06.0107.C8

Gene No.	66990	Strand	+
Start	10771	End	12420
Name	OJ991208_06.0107.C8.o3.gs	Method	GENSCAN
Start	10771	End	12420
GI	none	Score	.7
Exons	10771..10827, 11799..11857, 12345..12420		

Seq. No.	32317	Seq. ID	OJ991208_06.0107.C8
Gene No.	66991	Strand	-
Start	1927	End	2403
Name	OJ991208_06.0107.C8.o1.gs	Method	GENSCAN
Start	1927	End	2403
GI	none	Score	.91
Exons	1927..2403		

Seq. No.	32317	Seq. ID	OJ991208_06.0107.C8
Gene No.	66992	Strand	-
Start	12833	End	13329
Name	OJ991208_06.0107.C8.o1.ts	Method	TBLASTX:Soybean
Start	4453	End	4710
GI	none	Score	221
Exons	4453..4710, 4488..4709		

Seq. No.	32317	Seq. ID	OJ991208_06.0107.C8
Gene No.	66992	Strand	-
Start	12833	End	13329
Name	OJ991208_06.0107.C8.o4.gs	Method	GENSCAN
Start	12833	End	13285
GI	none	Score	1
Exons	12833..13285		

Seq. No.	32317	Seq. ID	OJ991208_06.0107.C8
Gene No.	66992	Strand	-
Start	12833	End	13329
Name	OJ991208_06.0107.C8.o1.tm	Method	TBLASTX:Maize
Start	12908	End	13324
GI	none	Score	59
Exons	12908..13081, 12960..13064, 13115..13324, 13173..13301		

Seq. No.	32317	Seq. ID	OJ991208_06.0107.C8
Gene No.	66992	Strand	-
Start	12833	End	13329
Name	OJ991208_06.0107.C8.o2.np	Method	AAT/NAP
Start	12962	End	13329
GI	6970472	Score	182
Exons	12962..13329		
GI Descrip.	(AB030956) OsGAI [Oryza sativa]		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66993	Strand	+
Start	8524	End	15230
Name	OJ991208_06.0107.C9.o2.gs	Method	GENSCAN
Start	8524	End	15230
GI	none	Score	.77
Exons	8524..8708, 8757..8888, 10308..10425, 10689..10766, 10837..10909, 11356..11422, 11455..11485, 12801..12980, 13132..13402, 13469..13554, 13620..15230		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66993	Strand	+
Start	8524	End	15230
Name	OJ991208_06.0107.C9.o1.gp	Method	AAT/GAP
Start	11253	End	11667
GI	4715032	Score	590
Exons	11253..11485, 11561..11667		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66994	Strand	+
Start	16020	End	22967
Name	OJ991208_06.0107.C9.o2.gp	Method	AAT/GAP
Start	15942	End	18471
GI	58_1.R1084	Score	1803
Exons	15942..16022, 16115..16184, 16822..16878, 16964..17081, 17199..17288, 17371..17550, 17658..17735, 17834..18165, 18445..18471		
GI Descrip.	'5360230/dbj|BAA81911.1| 1.0e-115 (AB015287) Ran [Oryza sativa]'		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66994	Strand	+
Start	16020	End	22967
Name	OJ991208_06.0107.C9.o3.gs	Method	GENSCAN
Start	16020	End	22741
GI	none	Score	.65
Exons	16020..16022, 16115..16184, 16822..16878, 16964..17081, 17658..17735, 18381..18493, 18777..18972, 19221..19482, 19571..19743, 20040..20043, 20303..20471, 20594..20655, 20999..21123, 21996..22113, 22601..22741		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66994	Strand	+
Start	16020	End	22967
Name	OJ991208_06.0107.C9.o3.gp	Method	AAT/GAP
Start	19205	End	19702
GI	4878126	Score	561
Exons	19205..19279, 19379..19482, 19571..19702		
GI Descrip.	1170898/sp|P46487|MDHM_EUCGU 3.0e-28 MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR >gi_629659_pir__S44167 malate dehydrogenase, mitochondrial - cider tree >gi_473206_emb_CAA55383_ (X78800) mitochondrial malate dehydrogenase [Eucalyptus gunnii]		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66994	Strand	+
Start	16020	End	22967
Name	OJ991208_06.0107.C9.o4.gp	Method	AAT/GAP
Start	20259	End	22967
GI	4009_1.R1084	Score	1616
Exons	20259..20471, 20594..20655, 20999..21123, 21996..22113, 22601..22967		
GI Descrip.	'5929964/gb|AAD56659.1| 1.0e-78 (AF180335) malate dehydrogenase [Glycine max]'		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66995	Strand	+

Start	27992	End	28676
Name	OJ991208_06.0107.C9.o5.gp	Method	AAT/GAP
Start	27992	End	28676
GI	705_5.R1084	Score	1315
Exons	27992..28676		
GI Descrip.	'1362184/pir||S56685 7.0e-38 histone H2B-8 - wheat >gi_531058_dbj_BAA07157_ (D37943) protein H2B-8 [Triticum aestivum]'		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66996	Strand	+
Start	37484	End	41517
Name	OJ991208_06.0107.C9.o6.gs	Method	GENSCAN
Start	37484	End	38125
GI	none	Score	.67
Exons	37484..38125		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66996	Strand	+
Start	37484	End	41517
Name	OJ991208_06.0107.C9.o6.gp	Method	AAT/GAP
Start	37827	End	41283
GI	21929_1.R1084	Score	1238
Exons	37827..38098, 40909..41283		
GI Descrip.	'2832660/emb|CAA16735| 6.0e-55 (AL021710) lipase-like protein [Arabidopsis thaliana]'		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66996	Strand	+
Start	37484	End	41517
Name	OJ991208_06.0107.C9.o7.gs	Method	GENSCAN
Start	40810	End	41517
GI	none	Score	.78
Exons	40810..41517		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66997	Strand	-
Start	63	End	7604
Name	OJ991208_06.0107.C9.o1.gs	Method	GENSCAN
Start	63	End	7604
GI	none	Score	.44
Exons	63..317, 3502..3542, 4490..4570, 5124..5639, 6053..7604		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66998	Strand	-
Start	28173	End	35980
Name	OJ991208_06.0107.C9.o5.gs	Method	GENSCAN
Start	28173	End	35980
GI	none	Score	.4
Exons	28173..28675, 28768..28935, 30487..30647, 31002..32650, 33152..33270, 33691..34441, 34490..34707, 35953..35980		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o10.tc	Method	TBLASTX:Cress
Start	4964	End	5173

GI	none	Score	152
Exons	4964..5173, 4972..5172		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o13.ts	Method	TBLASTX:Soybean
Start	4964	End	5193
GI	none	Score	130
Exons	4964..5185, 4972..5193		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o17.tm	Method	TBLASTX:Maize
Start	4964	End	5187
GI	none	Score	135
Exons	4964..5185, 4969..5187		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o5.tm	Method	TBLASTX:Maize
Start	5245	End	7349
GI	none	Score	102
Exons	5245..5820, 5615..5809, 5871..6128, 5881..6006, 5883..6122, 6129..6425, 6129..6299, 6132..6248, 6132..6455, 6177..6293, 6184..6423, 6184..6444, 6267..6437, 6336..6728, 6402..6734, 6433..6654, 6492..6629, 6627..7028, 6693..7022, 6705..6899, 6733..6966, 6735..7151, 6745..7023, 6790..6906, 6984..7208, 7005..7202, 7257..7277, 7287..7349		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o5.ts	Method	TBLASTX:Soybean
Start	5266	End	5793
GI	none	Score	130
Exons	5266..5793, 5267..5656, 5332..5688		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o6.tc	Method	TBLASTX:Cress
Start	5266	End	7169
GI	none	Score	158
Exons	5266..5820, 5279..5788, 6309..6500, 6993..7169		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o14.tw	Method	TBLASTX:Wheat
Start	5692	End	7179
GI	none	Score	122
Exons	5692..5820, 5892..6122, 6129..6275, 6192..6578, 6193..6579, 6495..6881, 6693..6851, 6798..7154, 6798..7172, 6931..7179		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o13.tc	Method	TBLASTX:Cress
Start	5859	End	6992
GI	none	Score	44
Exons	5859..6050, 5883..6104, 5886..6140, 6129..6239, 6132..6305, 6132..6299, 6501..6767, 6504..6857, 6522..6647, 6714..6845, 6733..6960, 6735..6956, 6738..6992, 6795..6962		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o8.ts	Method	TBLASTX:Soybean
Start	5889	End	7176
GI	none	Score	226
Exons	5889..6122, 6189..6566, 6490..6876, 6492..6875, 6795..7172, 6796..6972, 7060..7176		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o11.tm	Method	TBLASTX:Maize
Start	9930	End	10582
GI	none	Score	67
Exons	9930..10124, 10048..10089, 10155..10271, 10156..10272, 10157..10273, 10357..10434, 10362..10430, 10508..10582, 10510..10560		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o9.ts	Method	TBLASTX:Soybean
Start	10051	End	10570
GI	none	Score	57
Exons	10051..10089, 10155..10262, 10156..10272, 10173..10271, 10356..10403, 10357..10434, 10362..10421, 10508..10570, 10510..10560		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o1.tc	Method	TBLASTX:Cress
Start	13733	End	15161
GI	none	Score	88
Exons	13733..13846, 13746..13802, 13965..14813, 14000..14155, 14207..14335, 14402..14545, 14606..14830, 14852..15160, 14853..15161		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o16.tm	Method	TBLASTX:Maize
Start	13733	End	13966
GI	none	Score	94
Exons	13733..13966, 13746..13805, 13860..13913		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o1.ts	Method	TBLASTX:Soybean
Start	13863	End	15008
GI	none	Score	1469
Exons	13863..15008, 13892..14335, 14402..14545, 14606..15007		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o1.tm	Method	TBLASTX:Maize
Start	13968	End	14902
GI	none	Score	1276
Exons	13968..14885, 14000..14335, 14402..14551, 14592..14783, 14606..14878, 14867..14902		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o4.tw	Method	TBLASTX:Wheat
Start	14021	End	14275
GI	none	Score	383
Exons	14021..14275, 14022..14273, 14054..14275		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o6.tm	Method	TBLASTX:Maize
Start	14903	End	15236
GI	none	Score	410
Exons	14903..15181, 14904..15224, 15165..15236		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o7.tw	Method	TBLASTX:Wheat
Start	14981	End	15227
GI	none	Score	291
Exons	14981..15151, 14982..15149, 14984..15151, 15087..15167, 15167..15226, 15168..15227		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o10.ts	Method	TBLASTX:Soybean
Start	15008	End	15227
GI	none	Score	258
Exons	15008..15178, 15009..15161, 15168..15227		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o2.tm	Method	TBLASTX:Maize
Start	15830	End	17918
GI	none	Score	45
Exons	15830..15880, 15871..15912, 15884..15913, 15902..15961,		

15925..15960, 16114..16188, 16114..16185, 16115..16189,
16115..16207, 16820..16882, 16821..16877, 16822..16878,
16822..16890, 16965..17057, 16966..17079, 17193..17288,
17199..17288, 17200..17289, 17355..17525, 17355..17564,
17365..17550, 17366..17551, 17650..17736, 17658..17735,
17812..17916, 17830..17871, 17865..17918, 17877..17918

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o1.tw	Method	TBLASTX:Wheat
Start	16055	End	17945
GI	none	Score	101

Exons 16055..16183, 16113..16208, 16114..16185, 16115..16189,
16820..16882, 16821..16877, 16958..17080, 16966..17079,
17193..17288, 17199..17288, 17200..17289, 17200..17289,
17361..17528, 17362..17550, 17362..17550, 17366..17551,
17650..17736, 17658..17735, 17835..17867, 17840..17872,
17877..17906, 17877..17906, 17901..17927, 17901..17945

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o2.ts	Method	TBLASTX:Soybean
Start	16108	End	17736
GI	none	Score	68

Exons 16108..16176, 16114..16185, 16115..16189, 16820..16882,
16821..16877, 16965..17057, 16966..17079, 17193..17273,
17199..17288, 17200..17289, 17360..17545, 17365..17550,
17366..17551, 17650..17736, 17658..17735

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o2.tc	Method	TBLASTX:Cress
Start	16114	End	17736
GI	none	Score	120

Exons 16114..16185, 16115..16189, 16818..16874, 16820..16882,
16821..16877, 16831..16890, 16965..17057, 16966..17079,
16969..17079, 16970..17080, 17199..17273, 17199..17288,
17200..17289, 17200..17289, 17365..17550, 17366..17551,
17650..17736, 17658..17735

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o4.tm	Method	TBLASTX:Maize
Start	19249	End	22871
GI	none	Score	261

Exons 19249..19368, 19324..19488, 19353..19484, 19556..19741,
19571..19741, 19853..19870, 20302..20469, 20304..20504,
20309..20470, 20588..20656, 20592..20678, 20593..20661,
20948..21121, 20997..21122, 20998..21126, 20999..21124,
21995..22072, 21996..22115, 21996..22115, 21997..22116,
22598..22765, 22599..22769, 22791..22871

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9

Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o3.tc	Method	TBLASTX:Cress
Start	19324	End	22732
GI	none	Score	230
Exons	19324..19473, 19353..19484, 19568..19741, 19627..19740, 20302..20466, 20309..20467, 20590..20661, 20590..20655, 21020..21124, 21022..21123, 21997..22116, 21999..22115, 22598..22732		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o4.ts	Method	TBLASTX:Soybean
Start	19324	End	22112
GI	none	Score	235
Exons	19324..19473, 19353..19484, 19568..19741, 19624..19740, 20302..20472, 20307..20474, 20309..20482, 20589..20651, 20590..20661, 21000..21122, 21020..21124, 21028..21123, 21034..21126, 21997..22107, 21997..22077, 21999..22112		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o8.tw	Method	TBLASTX:Wheat
Start	19330	End	19714
GI	none	Score	192
Exons	19330..19488, 19353..19487, 19571..19714, 19627..19704		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o15.tw	Method	TBLASTX:Wheat
Start	21088	End	22741
GI	none	Score	66
Exons	21088..21126, 21996..22115, 21996..22115, 21997..22116, 21997..22116, 22542..22715, 22598..22741, 22699..22740		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o12.tw	Method	TBLASTX:Wheat
Start	24680	End	25111
GI	none	Score	259
Exons	24680..25111		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o9.tw	Method	TBLASTX:Wheat
Start	25406	End	25961
GI	none	Score	182
Exons	25406..25504, 25526..25648, 25638..25718, 25713..25961		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329

Name	OJ991208_06.0107.C9.o16.ts	Method	TBLASTX:Soybean
Start	25653	End	26111
GI	none	Score	106
Exons	25653..25676, 25761..25910, 25953..26111		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o3.tm	Method	TBLASTX:Maize
Start	25692	End	26573
GI	none	Score	53
Exons	25692..25721, 25716..26573, 25881..26090, 26071..26562		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o10.tw	Method	TBLASTX:Wheat
Start	26037	End	26379
GI	none	Score	64
Exons	26037..26192, 26074..26193, 26193..26378, 26194..26379		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o3.tw	Method	TBLASTX:Wheat
Start	28138	End	28451
GI	none	Score	196
Exons	28138..28290, 28179..28451, 28344..28451, 28357..28449, 28357..28449		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o8.tm	Method	TBLASTX:Maize
Start	28170	End	28451
GI	none	Score	309
Exons	28170..28451, 28171..28449		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o4.tc	Method	TBLASTX:Cress
Start	28173	End	28451
GI	none	Score	142
Exons	28173..28451, 28183..28290, 28360..28449		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o7.ts	Method	TBLASTX:Soybean
Start	28173	End	28451
GI	none	Score	161
Exons	28173..28451, 28183..28290, 28360..28449		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329

Name	OJ991208_06.0107.C9.o11.tc	Method	TBLASTX:Cress
Start	30488	End	30952
GI	none	Score	51
Exons	30488..30697, 30510..30698, 30737..30853, 30738..30824, 30863..30952		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o3.ts	Method	TBLASTX:Soybean
Start	30512	End	31126
GI	none	Score	220
Exons	30512..31126, 30540..30938, 30999..31124		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o9.tm	Method	TBLASTX:Maize
Start	30536	End	30960
GI	none	Score	110
Exons	30536..30823, 30582..30824, 30825..30959, 30830..30958, 30841..30960		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o2.tw	Method	TBLASTX:Wheat
Start	30890	End	31327
GI	none	Score	58
Exons	30890..31327, 30891..30977, 31008..31322		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o14.tm	Method	TBLASTX:Maize
Start	30962	End	31195
GI	none	Score	142
Exons	30962..31195, 30996..31190		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o14.tc	Method	TBLASTX:Cress
Start	31199	End	31444
GI	none	Score	191
Exons	31199..31444		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o7.tm	Method	TBLASTX:Maize
Start	31262	End	31708
GI	none	Score	65
Exons	31262..31708, 31269..31502, 31533..31688		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-

Start	41783	End	44329
Name	OJ991208_06.0107.C9.o6.tw	Method	TBLASTX:Wheat
Start	31328	End	31841
GI	none	Score	69
Exons	31328..31510, 31496..31840, 31617..31688, 31707..31841		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o6.ts	Method	TBLASTX:Soybean
Start	31511	End	32008
GI	5509260	Score	136
Exons	31511..32008, 31530..31682, 31728..31841		
GI Descrip.	-		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o8.tc	Method	TBLASTX:Cress
Start	31622	End	31891
GI	none	Score	108
Exons	31622..31891, 31641..31850		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o19.tm	Method	TBLASTX:Maize
Start	31712	End	31978
GI	none	Score	216
Exons	31712..31978		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o11.tw	Method	TBLASTX:Wheat
Start	32519	End	32875
GI	none	Score	271
Exons	32519..32875		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o5.tc	Method	TBLASTX:Cress
Start	32528	End	32993
GI	none	Score	75
Exons	32528..32992, 32832..32993		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o11.ts	Method	TBLASTX:Soybean
Start	32546	End	32965
GI	none	Score	258
Exons	32546..32965		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-

Start	41783	End	44329
Name	OJ991208_06.0107.C9.o13.tm	Method	TBLASTX:Maize
Start	32549	End	32872
GI	none	Score	78
Exons	32549..32872, 32553..32744		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o15.ts	Method	TBLASTX:Soybean
Start	32987	End	33289
GI	none	Score	122
Exons	32987..33166, 33176..33289		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o15.tm	Method	TBLASTX:Maize
Start	33482	End	33775
GI	none	Score	77
Exons	33482..33775, 33486..33749		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o5.tw	Method	TBLASTX:Wheat
Start	33482	End	33866
GI	none	Score	76
Exons	33482..33835, 33505..33789, 33507..33866		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o13.tw	Method	TBLASTX:Wheat
Start	34085	End	34426
GI	none	Score	75
Exons	34085..34426, 34209..34370		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o12.tc	Method	TBLASTX:Cress
Start	34178	End	34687
GI	none	Score	75
Exons	34178..34528, 34559..34687		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o10.tm	Method	TBLASTX:Maize
Start	34232	End	34651
GI	none	Score	135
Exons	34232..34537, 34239..34535, 34544..34651		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329

Name	OJ991208_06.0107.C9.o18.tm	Method	TBLASTX:Maize
Start	37490	End	43104
GI	none	Score	73
Exons	37490..37675, 37496..37558, 37604..37681, 37823..37951, 37847..37942, 38027..38101, 40906..40971, 40945..41040, 41083..41208, 42284..42373, 42297..42374, 42382..42417, 42484..42576, 42607..42738, 42629..42742, 42875..43066, 42904..43065, 43045..43104		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o7.tc	Method	TBLASTX:Cress
Start	37490	End	43062
GI	none	Score	38
Exons	37490..37555, 37607..37780, 37820..37948, 40872..41033, 40873..41034, 42290..42433, 42291..42419, 42634..42852, 42898..43062		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o12.ts	Method	TBLASTX:Soybean
Start	37604	End	43032
GI	none	Score	81
Exons	37604..37693, 37736..37786, 37859..37930, 42649..42720, 42656..42721, 42739..42855, 42898..43032		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o14.ts	Method	TBLASTX:Soybean
Start	40905	End	42567
GI	none	Score	137
Exons	40905..41033, 40906..41040, 41188..41502, 41190..41537, 41209..41502, 41786..41959, 41996..42100, 42284..42418, 42291..42419, 42484..42567		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o9.tc	Method	TBLASTX:Cress
Start	41146	End	42100
GI	none	Score	262
Exons	41146..41496, 41301..41495, 41819..41959, 41996..42100		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o12.tm	Method	TBLASTX:Maize
Start	41238	End	42079
GI	none	Score	159
Exons	41238..41372, 41239..41358, 41344..41505, 41346..41504, 41813..42079, 41813..42079		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-

Start	41783	End	44329
Name	OJ991208_06.0107.C9.o8.gs	Method	GENSCAN
Start	41783	End	44329
GI	none	Score	.64
Exons	41783..42415, 42490..43102, 43240..43327, 44246..44329		

Seq. No.	32318	Seq. ID	OJ991208_06.0107.C9
Gene No.	66999	Strand	-
Start	41783	End	44329
Name	OJ991208_06.0107.C9.o7.gp	Method	AAT/GAP
Start	42313	End	43118
GI	40926_1.R1084	Score	1352
Exons	42313..42415, 42490..43118		
GI Descrip.	'2832660/emb|CAA16735| 1.0e-51 (AL021710) lipase-like protein [Arabidopsis thaliana]'		

Seq. No.	32319	Seq. ID	OJ991208_06.0107.C11
Gene No.	67000	Strand	+
Start	1	End	3234
Name	OJ991208_06.0107.C11.o1.np	Method	AAT/NAP
Start	1	End	3234
GI	2832661	Score	637
Exons	1..29, 1249..1420, 1486..1679, 1786..1897, 2815..2949, 3097..3234		
GI Descrip.	(AL021710) pherophorin - like protein [Arabidopsis thaliana]		

Seq. No.	32319	Seq. ID	OJ991208_06.0107.C11
Gene No.	67000	Strand	+
Start	1	End	3234
Name	OJ991208_06.0107.C11.o1.gs	Method	GENSCAN
Start	1208	End	3228
GI	none	Score	.94
Exons	1208..1396, 1498..1679, 1786..1897, 2171..2200, 2815..2949, 3097..3228		

Seq. No.	32319	Seq. ID	OJ991208_06.0107.C11
Gene No.	67001	Strand	-
Start	3564	End	6828
Name	OJ991208_06.0107.C11.o1.tc	Method	TBLASTX:Cress
Start	1264	End	1680
GI	none	Score	175
Exons	1264..1389, 1265..1402, 1497..1541, 1498..1680, 1602..1679		

Seq. No.	32319	Seq. ID	OJ991208_06.0107.C11
Gene No.	67001	Strand	-
Start	3564	End	6828
Name	OJ991208_06.0107.C11.o1.tm	Method	TBLASTX:Maize
Start	1264	End	1656
GI	none	Score	212
Exons	1264..1398, 1265..1402, 1497..1655, 1498..1656		

Seq. No.	32319	Seq. ID	OJ991208_06.0107.C11
Gene No.	67001	Strand	-
Start	3564	End	6828
Name	OJ991208_06.0107.C11.o1.ts	Method	TBLASTX:Soybean
Start	1282	End	3192
GI	none	Score	158

Exons	1282..1398, 1286..1402, 1497..1679, 1498..1680, 1580..1684, 1784..1900, 1786..1896, 1790..1900, 2812..2907, 2890..2949, 3079..3192		
Seq. No.	32319	Seq. ID	OJ991208_06.0107.C11
Gene No.	67001	Strand	-
Start	3564	End	6828
Name	OJ991208_06.0107.C11.o2.gs	Method	GENSCAN
Start	3564	End	6828
GI	none	Score	.66
Exons	3564..4250, 4259..4428, 6576..6828		
Seq. No.	32319	Seq. ID	OJ991208_06.0107.C11
Gene No.	67001	Strand	-
Start	3564	End	6828
Name	OJ991208_06.0107.C11.o2.tm	Method	TBLASTX:Maize
Start	3569	End	3890
GI	none	Score	147
Exons	3569..3712, 3576..3713, 3576..3773, 3577..3774, 3796..3867, 3802..3840, 3810..3875, 3810..3875, 3840..3890		
Seq. No.	32319	Seq. ID	OJ991208_06.0107.C11
Gene No.	67001	Strand	-
Start	3564	End	6828
Name	OJ991208_06.0107.C11.o2.np	Method	AAT/NAP
Start	3582	End	4417
GI	4314385	Score	490
Exons	3582..4417		
GI Descrip.	(AC006232) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	32319	Seq. ID	OJ991208_06.0107.C11
Gene No.	67001	Strand	-
Start	3564	End	6828
Name	OJ991208_06.0107.C11.o2.ts	Method	TBLASTX:Soybean
Start	3649	End	4178
GI	none	Score	39
Exons	3649..3729, 3783..4178, 3814..3996, 3915..4019		
Seq. No.	32319	Seq. ID	OJ991208_06.0107.C11
Gene No.	67001	Strand	-
Start	3564	End	6828
Name	OJ991208_06.0107.C11.o2.gp	Method	AAT/GAP
Start	3797	End	4295
GI	LIB3433-027-P1-K1-F12	Score	869
Exons	3797..4295		
GI Descrip.	'4314385/gb|AAD15595| 7.0e-26 (AC006232) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	32320	Seq. ID	OJ991208_06.0107.C13
Gene No.	67002	Strand	+
Start	71	End	292
Name	OJ991208_06.0107.C13.o1.gs	Method	GENSCAN
Start	71	End	292
GI	none	Score	.79
Exons	71..292		
Seq. No.	32321	Seq. ID	OJ991208_06.0107.C14

Gene No.	67003	Strand	-
Start	1	End	448
Name	OJ991208_06.0107.C14.o1.np	Method	AAT/NAP
Start	1	End	414
GI	4056613	Score	342
Exons	1..414		
GI Descrip.	(AF067400) Scl1 protein [Zea mays]		

Seq. No.	32321	Seq. ID	OJ991208_06.0107.C14
Gene No.	67003	Strand	-
Start	1	End	448
Name	OJ991208_06.0107.C14.o1.gs	Method	GENSCAN
Start	18	End	399
GI	none	Score	.43
Exons	18..399		

Seq. No.	32321	Seq. ID	OJ991208_06.0107.C14
Gene No.	67003	Strand	-
Start	1	End	448
Name	OJ991208_06.0107.C14.o1.tc	Method	TBLASTX:Cress
Start	79	End	448
GI	none	Score	185
Exons	79..123, 109..447, 260..448		

Seq. No.	32321	Seq. ID	OJ991208_06.0107.C14
Gene No.	67003	Strand	-
Start	1	End	448
Name	OJ991208_06.0107.C14.o1.ts	Method	TBLASTX:Soybean
Start	94	End	448
GI	none	Score	235
Exons	94..447, 104..445, 329..448		

Seq. No.	32321	Seq. ID	OJ991208_06.0107.C14
Gene No.	67003	Strand	-
Start	1	End	448
Name	OJ991208_06.0107.C14.o1.tm	Method	TBLASTX:Maize
Start	142	End	447
GI	none	Score	154
Exons	142..447, 275..445, 301..447		

Seq. No.	32322	Seq. ID	OJ991208_06.0107.C15
Gene No.	67004	Strand	+
Start	2	End	219
Name	OJ991208_06.0107.C15.o1.gs	Method	GENSCAN
Start	2	End	219
GI	none	Score	.69
Exons	2..32, 110..219		

Seq. No.	32323	Seq. ID	OJ991028_01.0118.C1
Gene No.	67005	Strand	-
Start	1636	End	2183
Name	OJ991028_01.0118.C1.o1.np	Method	AAT/NAP
Start	1636	End	2183
GI	4539660	Score	606
Exons	1636..2183		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	32323	Seq. ID	OJ991028_01.0118.C1
Gene No.	67005	Strand	-
Start	1636	End	2183
Name	OJ991028_01.0118.C1.o1.tw	Method	TBLASTX:Wheat
Start	1648	End	2069
GI	none	Score	119
Exons	1648..1761, 1752..2069, 1759..2049		

Seq. No.	32323	Seq. ID	OJ991028_01.0118.C1
Gene No.	67005	Strand	-
Start	1636	End	2183
Name	OJ991028_01.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	1839	End	2183
GI	none	Score	141
Exons	1839..2183, 1840..2097, 1989..2171		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o1.np	Method	AAT/NAP
Start	1	End	5268
GI	5257279	Score	6121
Exons	1..308, 406..568, 785..3502, 4138..4374, 4723..5268		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o5.tw	Method	TBLASTX:Wheat
Start	10	End	291
GI	none	Score	121
Exons	10..222, 25..291, 29..238		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o3.tm	Method	TBLASTX:Maize
Start	28	End	294
GI	none	Score	136
Exons	28..219, 31..294, 32..292		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o3.tw	Method	TBLASTX:Wheat
Start	325	End	785
GI	none	Score	291
Exons	325..540, 326..784, 327..785		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o4.tm	Method	TBLASTX:Maize
Start	326	End	505
GI	none	Score	161
Exons	326..505, 333..497		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o1.tw	Method	TBLASTX:Wheat
Start	785	End	1288
GI	none	Score	278
Exons	785..1288, 867..1256, 872..1279		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o1.tm	Method	TBLASTX:Maize
Start	977	End	1418
GI	none	Score	160
Exons	977..1417, 990..1256, 1296..1418		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o2.ts	Method	TBLASTX:Soybean
Start	1037	End	1282
GI	none	Score	202
Exons	1037..1282		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o4.tw	Method	TBLASTX:Wheat
Start	1289	End	1591
GI	none	Score	250
Exons	1289..1591, 1305..1589, 1355..1591		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o1.ts	Method	TBLASTX:Soybean
Start	1304	End	1699
GI	none	Score	225
Exons	1304..1663, 1305..1661, 1334..1669, 1667..1699, 1668..1697		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o5.tm	Method	TBLASTX:Maize
Start	1422	End	1585
GI	none	Score	137
Exons	1422..1580, 1424..1585, 1433..1585		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o2.tm	Method	TBLASTX:Maize
Start	1586	End	2056
GI	none	Score	377
Exons	1586..2056		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o2.tw	Method	TBLASTX:Wheat
Start	1640	End	2122
GI	none	Score	86
Exons	1640..2122, 1644..1787, 1673..2062, 1815..2111		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o7.tm	Method	TBLASTX:Maize
Start	2057	End	2219
GI	none	Score	136
Exons	2057..2218, 2058..2219		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o7.tw	Method	TBLASTX:Wheat
Start	2294	End	2672
GI	none	Score	81
Exons	2294..2416, 2295..2405, 2300..2416, 2450..2671, 2504..2584, 2550..2672		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o6.tm	Method	TBLASTX:Maize
Start	2354	End	2677
GI	none	Score	44
Exons	2354..2503, 2354..2677, 2553..2630		

Seq. No.	32324	Seq. ID	OJ991028_01.0118.C2
Gene No.	67006	Strand	-
Start	1	End	5268
Name	OJ991028_01.0118.C2.o6.tw	Method	TBLASTX:Wheat
Start	3224	End	3610
GI	none	Score	72
Exons	3224..3370, 3234..3437, 3395..3610, 3485..3574		

Seq. No.	32325	Seq. ID	OJ991028_01.0118.C4
Gene No.	67007	Strand	+
Start	1	End	608
Name	OJ991028_01.0118.C4.o1.gp	Method	AAT/GAP
Start	1	End	608
GI	66_8.R1084	Score	1077
Exons	1..608		
GI Descrip.	'82501/pir||JH0220 1.0e-41 prolamin precursor (clone pS23) - rice >gi_20302_emb_CAA37849_ (X53856) prolamin [Oryza sativa]'		

Seq. No.	32325	Seq. ID	OJ991028_01.0118.C4
Gene No.	67007	Strand	+
Start	1	End	608
Name	OJ991028_01.0118.C4.o1.np	Method	AAT/NAP
Start	43	End	495
GI	82501	Score	718

Exons	43..495		
GI Descrip.	prolamin precursor (clone pS23) - rice gi|20302|emb|CAA37849| (X53856) prolamin [Oryza sativa]		
Seq. No.	32326	Seq. ID	OJ991028_01.0118.C5
Gene No.	67008	Strand	+
Start	2529	End	3120
Name	OJ991028_01.0118.C5.o1.gp	Method	AAT/GAP
Start	2529	End	3120
GI	66_8.R1084	Score	1050
Exons	2529..3120		
GI Descrip.	'82501/pir||JH0220 1.0e-41 prolamin precursor (clone pS23) - rice >gi_20302_emb_CAA37849_ (X53856) prolamin [Oryza sativa]'		
Seq. No.	32326	Seq. ID	OJ991028_01.0118.C5
Gene No.	67008	Strand	+
Start	2529	End	3120
Name	OJ991028_01.0118.C5.o1.np	Method	AAT/NAP
Start	2555	End	3007
GI	82452	Score	750
Exons	2555..3007		
GI Descrip.	prolamin 13K precursor (clone lambda-RM2) - rice gi|218187|dbj|BAA01981.1| (D11385) prolamin [Oryza sativa] gi|251077|bbs|108647 (S39468) 13 kda prolamin [Oryza sativa]		
Seq. No.	32326	Seq. ID	OJ991028_01.0118.C5
Gene No.	67009	Strand	-
Start	2568	End	8075
Name	OJ991028_01.0118.C5.o2.np	Method	AAT/NAP
Start	2568	End	8075
GI	6523547	Score	432
Exons	2568..2662, 3958..4378, 7345..8075		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		
Seq. No.	32326	Seq. ID	OJ991028_01.0118.C5
Gene No.	67010	Strand	-
Start	9528	End	12480
Name	OJ991028_01.0118.C5.o3.np	Method	AAT/NAP
Start	9528	End	12480
GI	5915835	Score	838
Exons	9528..10136, 11720..12480		
GI Descrip.	CYTOCHROME P450 71D6 gi|1762142 (U48434) putative cytochrome P450 [Solanum chacoense]		
Seq. No.	32326	Seq. ID	OJ991028_01.0118.C5
Gene No.	67010	Strand	-
Start	9528	End	12480
Name	OJ991028_01.0118.C5.o2.tw	Method	TBLASTX:Wheat
Start	9531	End	9800
GI	none	Score	131
Exons	9531..9800, 9532..9798		
Seq. No.	32326	Seq. ID	OJ991028_01.0118.C5
Gene No.	67010	Strand	-
Start	9528	End	12480
Name	OJ991028_01.0118.C5.o1.ts	Method	TBLASTX:Soybean

Start	9534	End	12470
GI	none	Score	107
Exons	9534..10139, 9591..9746, 9619..9984, 9777..10091, 10039..10134, 11942..12115, 12243..12470		

Seq. No.	32326	Seq. ID	OJ991028_01.0118.C5
Gene No.	67010	Strand	-
Start	9528	End	12480
Name	OJ991028_01.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	9540	End	10142
GI	none	Score	133
Exons	9540..10136, 9600..9890, 9616..10005, 9960..10142		

Seq. No.	32326	Seq. ID	OJ991028_01.0118.C5
Gene No.	67010	Strand	-
Start	9528	End	12480
Name	OJ991028_01.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	9673	End	10136
GI	none	Score	249
Exons	9673..10119, 9677..9838, 9678..10136, 9696..10136		

Seq. No.	32326	Seq. ID	OJ991028_01.0118.C5
Gene No.	67010	Strand	-
Start	9528	End	12480
Name	OJ991028_01.0118.C5.o1.tw	Method	TBLASTX:Wheat
Start	9828	End	10136
GI	none	Score	110
Exons	9828..10100, 9831..10136, 9832..10131		

Seq. No.	32326	Seq. ID	OJ991028_01.0118.C5
Gene No.	67010	Strand	-
Start	9528	End	12480
Name	OJ991028_01.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	11954	End	12479
GI	none	Score	92
Exons	11954..12118, 11961..12083, 12143..12241, 12243..12479, 12250..12435		

Seq. No.	32327	Seq. ID	OJ991028_01.0118.C6
Gene No.	67011	Strand	+
Start	935	End	2466
Name	OJ991028_01.0118.C6.o1.gs	Method	GENSCAN
Start	935	End	2466
GI	none	Score	.41
Exons	935..994, 1634..1805, 2342..2466		

Seq. No.	32327	Seq. ID	OJ991028_01.0118.C6
Gene No.	67012	Strand	+
Start	2691	End	3838
Name	OJ991028_01.0118.C6.o1.np	Method	AAT/NAP
Start	2691	End	3838
GI	6742729	Score	1154
Exons	2691..3838		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	32327	Seq. ID	OJ991028_01.0118.C6
Gene No.	67013	Strand	-

Start	3364	End	3838
Name	OJ991028_01.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	3026	End	3838
GI	none	Score	495
Exons	3026..3442, 3027..3554, 3427..3558, 3594..3779, 3599..3751, 3609..3809, 3782..3838, 3790..3834		

Seq. No.	32327	Seq. ID	OJ991028_01.0118.C6
Gene No.	67013	Strand	-
Start	3364	End	3838
Name	OJ991028_01.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	3069	End	3383
GI	none	Score	276
Exons	3069..3383, 3080..3382, 3159..3383		

Seq. No.	32327	Seq. ID	OJ991028_01.0118.C6
Gene No.	67013	Strand	-
Start	3364	End	3838
Name	OJ991028_01.0118.C6.o1.tc	Method	TBLASTX:Cress
Start	3314	End	3758
GI	none	Score	152
Exons	3314..3442, 3318..3554, 3427..3558, 3450..3569, 3594..3725, 3599..3751, 3609..3758		

Seq. No.	32327	Seq. ID	OJ991028_01.0118.C6
Gene No.	67013	Strand	-
Start	3364	End	3838
Name	OJ991028_01.0118.C6.o2.gs	Method	GENSCAN
Start	3364	End	3532
GI	none	Score	.81
Exons	3364..3532		

Seq. No.	32328	Seq. ID	OJ991028_01.0118.C9
Gene No.	67014	Strand	+
Start	224	End	343
Name	OJ991028_01.0118.C9.o1.gs	Method	GENSCAN
Start	224	End	343
GI	none	Score	.92
Exons	224..343		

Seq. No.	32328	Seq. ID	OJ991028_01.0118.C9
Gene No.	67015	Strand	-
Start	923	End	1843
Name	OJ991028_01.0118.C9.o2.gs	Method	GENSCAN
Start	923	End	1843
GI	none	Score	.5
Exons	923..969, 1831..1843		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67016	Strand	+
Start	347	End	1028
Name	OJ991028_01.0118.C10.o1.np	Method	AAT/NAP
Start	347	End	1028
GI	6691191	Score	377
Exons	347..1028		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67017	Strand	+
Start	2086	End	5226
Name	OJ991028_01.0118.C10.o1.gs	Method	GENSCAN
Start	2086	End	3040
GI	none	Score	.69
Exons	2086..2168, 3022..3040		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67017	Strand	+
Start	2086	End	5226
Name	OJ991028_01.0118.C10.o2.np	Method	AAT/NAP
Start	2375	End	5226
GI	5042463	Score	123
Exons	2375..2575, 3190..3332, 3384..3462, 5208..5226		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67018	Strand	+
Start	7067	End	8362
Name	OJ991028_01.0118.C10.o3.gs	Method	GENSCAN
Start	7067	End	8362
GI	none	Score	.68
Exons	7067..7102, 7431..7519, 7745..7892, 8213..8362		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67019	Strand	-
Start	3638	End	6654
Name	OJ991028_01.0118.C10.o2.ts	Method	TBLASTX:Soybean
Start	450	End	937
GI	none	Score	312
Exons	450..770, 452..649, 453..770, 785..838, 848..937		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67019	Strand	-
Start	3638	End	6654
Name	OJ991028_01.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	462	End	841
GI	none	Score	307
Exons	462..797, 464..658, 702..770, 755..778, 785..841		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67019	Strand	-
Start	3638	End	6654
Name	OJ991028_01.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	3636	End	6272
GI	none	Score	148
Exons	3636..3869, 3665..4276, 3681..3881, 3716..4075, 3951..4190, 4154..4216, 5658..6179, 6052..6156, 6225..6272		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67019	Strand	-
Start	3638	End	6654
Name	OJ991028_01.0118.C10.o2.gs	Method	GENSCAN
Start	3638	End	6365
GI	none	Score	.7
Exons	3638..4261, 5430..6365		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67019	Strand	-
Start	3638	End	6654
Name	OJ991028_01.0118.C10.o3.np	Method	AAT/NAP
Start	3653	End	6654
GI	5915839	Score	984
Exons	3653..4276, 5451..6290, 6559..6654		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67019	Strand	-
Start	3638	End	6654
Name	OJ991028_01.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	3656	End	4261
GI	none	Score	219
Exons	3656..4138, 3677..4141, 4139..4261		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67019	Strand	-
Start	3638	End	6654
Name	OJ991028_01.0118.C10.o3.tw	Method	TBLASTX:Wheat
Start	3656	End	3927
GI	none	Score	152
Exons	3656..3925, 3669..3881, 3757..3927		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67019	Strand	-
Start	3638	End	6654
Name	OJ991028_01.0118.C10.o1.tc	Method	TBLASTX:Cress
Start	3665	End	4276
GI	none	Score	126
Exons	3665..4276, 3693..3881, 3725..4006, 3957..4130, 4085..4261		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67019	Strand	-
Start	3638	End	6654
Name	OJ991028_01.0118.C10.o2.tw	Method	TBLASTX:Wheat
Start	3956	End	4276
GI	none	Score	207
Exons	3956..4276, 3957..4190, 3962..4261		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67019	Strand	-
Start	3638	End	6654
Name	OJ991028_01.0118.C10.o2.tc	Method	TBLASTX:Cress
Start	5772	End	6275
GI	none	Score	88
Exons	5772..6179, 5983..6162, 6225..6275		

Seq. No.	32329	Seq. ID	OJ991028_01.0118.C10
Gene No.	67019	Strand	-
Start	3638	End	6654
Name	OJ991028_01.0118.C10.o2.tm	Method	TBLASTX:Maize
Start	5835	End	6266
GI	none	Score	64

Exons	5835..6179, 5856..6026, 6085..6156, 6225..6266		
Seq. No.	32330	Seq. ID	OJ991028_01.0118.C11
Gene No.	67020	Strand	+
Start	1	End	4546
Name	OJ991028_01.0118.C11.o2.np	Method	AAT/NAP
Start	1	End	4326
GI	5852180	Score	392
Exons	1..22, 2859..2946, 3955..4326		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	32330	Seq. ID	OJ991028_01.0118.C11
Gene No.	67020	Strand	+
Start	1	End	4546
Name	OJ991028_01.0118.C11.o1.gp	Method	AAT/GAP
Start	3047	End	3574
GI	uC-osf1M202048c12b1	Score	816
Exons	3047..3574		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	32330	Seq. ID	OJ991028_01.0118.C11
Gene No.	67020	Strand	+
Start	1	End	4546
Name	OJ991028_01.0118.C11.o2.gs	Method	GENSCAN
Start	3989	End	4546
GI	none	Score	.69
Exons	3989..4546		
Seq. No.	32330	Seq. ID	OJ991028_01.0118.C11
Gene No.	67021	Strand	-
Start	627	End	8497
Name	OJ991028_01.0118.C11.o1.gs	Method	GENSCAN
Start	627	End	3202
GI	none	Score	.84
Exons	627..806, 906..1004, 1100..1172, 1274..1384, 1476..1648, 1737..1777, 1876..2043, 3097..3202		
Seq. No.	32330	Seq. ID	OJ991028_01.0118.C11
Gene No.	67021	Strand	-
Start	627	End	8497
Name	OJ991028_01.0118.C11.o3.np	Method	AAT/NAP
Start	1249	End	7113
GI	4680204	Score	884
Exons	1249..1384, 1476..1648, 1736..2151, 3136..3295, 3670..3732, 3949..4223, 5229..5607, 5699..7113		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	32330	Seq. ID	OJ991028_01.0118.C11
Gene No.	67021	Strand	-
Start	627	End	8497
Name	OJ991028_01.0118.C11.o2.gp	Method	AAT/GAP
Start	3715	End	3780
GI	uC-osroM202024h08a1	Score	85
Exons	3715..3780		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa - indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32330	Seq. ID	OJ991028_01.0118.C11
Gene No.	67021	Strand	-
Start	627	End	8497
Name	OJ991028_01.0118.C11.o4.np	Method	AAT/NAP
Start	4400	End	7113
GI	4680204	Score	793
Exons	4400..4433, 4622..4801, 5257..5607, 5699..7113		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32330	Seq. ID	OJ991028_01.0118.C11
Gene No.	67021	Strand	-
Start	627	End	8497
Name	OJ991028_01.0118.C11.o3.gs	Method	GENSCAN
Start	4912	End	8497
GI	none	Score	.53
Exons	4912..4921, 5203..5395, 5466..5628, 5699..5893, 5927..6221, 6392..6775, 7682..7744, 8075..8326, 8407..8497		

Seq. No.	32330	Seq. ID	OJ991028_01.0118.C11
Gene No.	67021	Strand	-
Start	627	End	8497
Name	OJ991028_01.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	6047	End	6391
GI	none	Score	95
Exons	6047..6079, 6083..6223, 6084..6164, 6218..6292, 6292..6390, 6293..6391		

Seq. No.	32330	Seq. ID	OJ991028_01.0118.C11
Gene No.	67021	Strand	-
Start	627	End	8497
Name	OJ991028_01.0118.C11.o3.gp	Method	AAT/GAP
Start	7216	End	7530
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	7216..7295, 7510..7530		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32331	Seq. ID	OJ991028_01.0118.C12
Gene No.	67022	Strand	+
Start	2754	End	2839
Name	OJ991028_01.0118.C12.o1.gp	Method	AAT/GAP
Start	2754	End	2839
GI	uC-osflcyp121e07b1	Score	132
Exons	2754..2839		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 7.0e-19 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32331	Seq. ID	OJ991028_01.0118.C12
Gene No.	67023	Strand	+
Start	3923	End	6922
Name	OJ991028_01.0118.C12.o2.gs	Method	GENSCAN
Start	3923	End	6922
GI	none	Score	.44
Exons	3923..3988, 5289..5410, 5523..5648, 5667..5758, 5885..6082, 6547..6636, 6836..6922		

Seq. No.	32331	Seq. ID	OJ991028_01.0118.C12
Gene No.	67024	Strand	-
Start	1073	End	7068
Name	OJ991028_01.0118.C12.o1.gs	Method	GENSCAN
Start	1073	End	3631
GI	none	Score	.41
Exons	1073..2116, 2489..2794, 3338..3631		

Seq. No.	32331	Seq. ID	OJ991028_01.0118.C12
Gene No.	67024	Strand	-
Start	1073	End	7068
Name	OJ991028_01.0118.C12.o1.tw	Method	TBLASTX:Wheat
Start	1142	End	2470
GI	none	Score	50
Exons	1142..1240, 1143..1214, 1229..1309, 1257..1298, 1314..1433, 1316..1432, 1334..1462, 1338..1463, 1410..1505, 1442..1501, 1474..1506, 1507..1572, 1507..1551, 1508..1552, 1547..2464, 1563..2465, 2285..2470		

Seq. No.	32331	Seq. ID	OJ991028_01.0118.C12
Gene No.	67024	Strand	-
Start	1073	End	7068
Name	OJ991028_01.0118.C12.o1.np	Method	AAT/NAP
Start	1632	End	7068
GI	6742729	Score	2284
Exons	1632..2751, 6634..7068		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	32331	Seq. ID	OJ991028_01.0118.C12
Gene No.	67024	Strand	-
Start	1073	End	7068
Name	OJ991028_01.0118.C12.o1.tc	Method	TBLASTX:Cress
Start	1729	End	2177
GI	none	Score	99
Exons	1729..1980, 1730..1879, 1730..2173, 1734..2177, 1740..2177		

Seq. No.	32331	Seq. ID	OJ991028_01.0118.C12
Gene No.	67024	Strand	-
Start	1073	End	7068
Name	OJ991028_01.0118.C12.o1.tm	Method	TBLASTX:Maize
Start	2073	End	2551
GI	none	Score	80
Exons	2073..2276, 2075..2551		

Seq. No.	32331	Seq. ID	OJ991028_01.0118.C12
Gene No.	67024	Strand	-
Start	1073	End	7068
Name	OJ991028_01.0118.C12.o2.tw	Method	TBLASTX:Wheat
Start	2471	End	6757
GI	none	Score	66
Exons	2471..2551, 2472..2552, 2472..2555, 2584..2751, 2585..2758, 2625..2750, 6638..6709, 6639..6689, 6695..6757, 6708..6755		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67025	Strand	+
Start	3511	End	5377

Name	OJ991028_01.0118.C13.o2.gs	Method	GENSCAN
Start	3511	End	5377
GI	none	Score	.85
Exons	3511..3522, 4493..5377		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67026	Strand	+
Start	8351	End	12582
Name	OJ991028_01.0118.C13.o2.np	Method	AAT/NAP
Start	8351	End	12582
GI	4680179	Score	4856
Exons	8351..8396, 8675..9685, 9713..12582		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67027	Strand	-
Start	1	End	2066
Name	OJ991028_01.0118.C13.o1.np	Method	AAT/NAP
Start	1	End	2066
GI	4680203	Score	774
Exons	1..800, 2017..2066		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67027	Strand	-
Start	1	End	2066
Name	OJ991028_01.0118.C13.o1.gs	Method	GENSCAN
Start	14	End	589
GI	none	Score	.98
Exons	14..366, 466..589		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o3.ts	Method	TBLASTX:Soybean
Start	62	End	352
GI	none	Score	99
Exons	62..127, 134..352, 138..344		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o6.tw	Method	TBLASTX:Wheat
Start	124	End	475
GI	none	Score	191
Exons	124..366, 134..385, 135..377, 383..475		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o9.tw	Method	TBLASTX:Wheat
Start	8836	End	9034
GI	none	Score	213
Exons	8836..9033, 8837..9034		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-

Start	12432	End	12580
Name	OJ991028_01.0118.C13.o7.tw	Method	TBLASTX:Wheat
Start	9083	End	9436
GI	none	Score	318
Exons	9083..9280, 9086..9436		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o7.tm	Method	TBLASTX:Maize
Start	9086	End	9391
GI	none	Score	243
Exons	9086..9391, 9086..9322		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o8.tw	Method	TBLASTX:Wheat
Start	9770	End	10123
GI	none	Score	252
Exons	9770..10123, 9860..10048		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o8.tm	Method	TBLASTX:Maize
Start	10127	End	10318
GI	none	Score	188
Exons	10127..10318, 10165..10272		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o4.tw	Method	TBLASTX:Wheat
Start	10255	End	10738
GI	none	Score	535
Exons	10255..10695, 10256..10738, 10259..10735		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o4.ts	Method	TBLASTX:Soybean
Start	10292	End	10606
GI	none	Score	198
Exons	10292..10606		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o3.tm	Method	TBLASTX:Maize
Start	10321	End	10768
GI	none	Score	375
Exons	10321..10563, 10325..10768		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580

Name	OJ991028_01.0118.C13.o1.ts	Method	TBLASTX:Soybean
Start	10679	End	11074
GI	none	Score	57
Exons	10679..10711, 10679..10711, 10715..10768, 10717..10758, 10814..10858, 10823..11074, 10831..11064, 10922..11071		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o4.tm	Method	TBLASTX:Maize
Start	10823	End	11155
GI	none	Score	300
Exons	10823..11155, 10876..11154		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o5.tw	Method	TBLASTX:Wheat
Start	10826	End	11089
GI	none	Score	373
Exons	10826..11089, 10828..11088		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o3.tw	Method	TBLASTX:Wheat
Start	11090	End	11515
GI	none	Score	555
Exons	11090..11515, 11101..11508, 11165..11515		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o2.tm	Method	TBLASTX:Maize
Start	11162	End	11515
GI	none	Score	434
Exons	11162..11515, 11167..11508		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o1.tw	Method	TBLASTX:Wheat
Start	11543	End	12082
GI	none	Score	624
Exons	11543..12082, 11725..12078		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o5.tm	Method	TBLASTX:Maize
Start	11699	End	12046
GI	none	Score	269
Exons	11699..12031, 11725..12045, 11726..12046		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580

Name	OJ991028_01.0118.C13.o1.tc	Method	TBLASTX:Cress
Start	11780	End	12106
GI	none	Score	85
Exons	11780..11962, 11963..12106		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o2.ts	Method	TBLASTX:Soybean
Start	11870	End	12130
GI	none	Score	300
Exons	11870..12130, 11881..12129, 11882..12130		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o1.tm	Method	TBLASTX:Maize
Start	12047	End	12364
GI	none	Score	456
Exons	12047..12364, 12058..12360		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o2.tw	Method	TBLASTX:Wheat
Start	12089	End	12580
GI	none	Score	566
Exons	12089..12580, 12092..12568, 12145..12576		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o6.tm	Method	TBLASTX:Maize
Start	12370	End	12580
GI	none	Score	244
Exons	12370..12567, 12371..12580, 12371..12580		

Seq. No.	32332	Seq. ID	OJ991028_01.0118.C13
Gene No.	67028	Strand	-
Start	12432	End	12580
Name	OJ991028_01.0118.C13.o4.gs	Method	GENSCAN
Start	12432	End	12535
GI	none	Score	.84
Exons	12432..12535		

Seq. No.	32333	Seq. ID	OJ991028_01.0118.C14
Gene No.	67029	Strand	+
Start	1	End	678
Name	OJ991028_01.0118.C14.o1.np	Method	AAT/NAP
Start	1	End	678
GI	5852178	Score	164
Exons	1..75, 107..222, 588..678		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	32333	Seq. ID	OJ991028_01.0118.C14
Gene No.	67030	Strand	-
Start	101	End	208

Name	OJ991028_01.0118.C14.o1.gs	Method	GENSCAN
Start	101	End	208
GI	none	Score	.51
Exons	101..208		

Seq. No.	32334	Seq. ID	OJ991028_01.0118.C16
Gene No.	67031	Strand	+
Start	95	End	501
Name	OJ991028_01.0118.C16.o1.gp	Method	AAT/GAP
Start	95	End	501
GI	none	Score	392
Exons	95..207, 371..501		

Seq. No.	32334	Seq. ID	OJ991028_01.0118.C16
Gene No.	67032	Strand	+
Start	837	End	1894
Name	OJ991028_01.0118.C16.o1.gs	Method	GENSCAN
Start	837	End	1894
GI	none	Score	.91
Exons	837..1001, 1077..1169, 1267..1368, 1451..1894		

Seq. No.	32334	Seq. ID	OJ991028_01.0118.C16
Gene No.	67033	Strand	+
Start	3415	End	3714
Name	OJ991028_01.0118.C16.o2.np	Method	AAT/NAP
Start	3415	End	3714
GI	553073	Score	50
Exons	3415..3714		
GI Descrip.	(M94481) reverse transcriptase [Zea mays]		

Seq. No.	32334	Seq. ID	OJ991028_01.0118.C16
Gene No.	67034	Strand	-
Start	1	End	608
Name	OJ991028_01.0118.C16.o1.np	Method	AAT/NAP
Start	1	End	608
GI	1345502	Score	418
Exons	1..608		
GI Descrip.	(X57297) TNP2 [Antirrhinum majus]		

Seq. No.	32334	Seq. ID	OJ991028_01.0118.C16
Gene No.	67035	Strand	-
Start	2778	End	3606
Name	OJ991028_01.0118.C16.o2.tm	Method	TBLASTX:Maize
Start	118	End	375
GI	none	Score	74
Exons	118..375, 128..346		

Seq. No.	32334	Seq. ID	OJ991028_01.0118.C16
Gene No.	67035	Strand	-
Start	2778	End	3606
Name	OJ991028_01.0118.C16.o1.tm	Method	TBLASTX:Maize
Start	421	End	656
GI	none	Score	119
Exons	421..609, 437..583, 603..656		

Seq. No.	32334	Seq. ID	OJ991028_01.0118.C16
Gene No.	67035	Strand	-

Start	2778	End	3606
Name	OJ991028_01.0118.C16.o2.gs	Method	GENSCAN
Start	2778	End	3606
GI	none	Score	.85
Exons	2778..2899, 3564..3606		

Seq. No.	32334	Seq. ID	OJ991028_01.0118.C16
Gene No.	67036	Strand	
Start	4118	End	5109
Name	OJ991028_01.0118.C16.o3.tm	Method	TBLASTX:Maize
Start	4118	End	5109
GI	none	Score	83
Exons	4118..4234, 4118..4225, 4133..4228, 4136..4234, 4147..4227, 4151..4228, 4268..4390, 4268..4447, 4269..4382, 4276..4389, 4281..4382, 4284..4403, 4290..4376, 4397..4579, 4406..4531, 4423..4545, 4423..4542, 4428..4538, 4431..4544, 4437..4538, 4438..4572, 4439..4624, 4458..4577, 4499..4579, 4519..4545, 4526..4588, 4526..4585, 4611..4682, 4621..4680, 4624..4677, 4624..4671, 4624..4692, 4735..4848, 4736..4834, 4738..4860, 4745..4867, 4765..4836, 4817..4978, 4847..5005, 4850..5005, 4884..5006, 5047..5109		

Seq. No.	32335	Seq. ID	OJ991028_01.0118.C17
Gene No.	67037	Strand	+
Start	1	End	3809
Name	OJ991028_01.0118.C17.o2.np	Method	AAT/NAP
Start	1	End	3809
GI	5852181	Score	114
Exons	1..27, 3047..3340, 3499..3585, 3788..3809		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	32335	Seq. ID	OJ991028_01.0118.C17
Gene No.	67037	Strand	+
Start	1	End	3809
Name	OJ991028_01.0118.C17.o1.np	Method	AAT/NAP
Start	1046	End	2193
GI	4680203	Score	723
Exons	1046..2193		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32335	Seq. ID	OJ991028_01.0118.C17
Gene No.	67037	Strand	+
Start	1	End	3809
Name	OJ991028_01.0118.C17.o1.gs	Method	GENSCAN
Start	1206	End	3728
GI	none	Score	.51
Exons	1206..2049, 3499..3728		

Seq. No.	32335	Seq. ID	OJ991028_01.0118.C17
Gene No.	67037	Strand	+
Start	1	End	3809
Name	OJ991028_01.0118.C17.o2.tw	Method	TBLASTX:Wheat
Start	1356	End	1892
GI	none	Score	219
Exons	1356..1772, 1451..1507, 1589..1771, 1785..1892, 1808..1891		

Seq. No.	32335	Seq. ID	OJ991028_01.0118.C17

Gene No.	67037	Strand	+
Start	1	End	3809
Name	OJ991028_01.0118.C17.o1.ts	Method	TBLASTX:Soybean
Start	1428	End	1765
GI	none	Score	43
Exons	1428..1475, 1481..1765, 1482..1763		

Seq. No.	32335	Seq. ID	OJ991028_01.0118.C17
Gene No.	67037	Strand	+
Start	1	End	3809
Name	OJ991028_01.0118.C17.o1.tc	Method	TBLASTX:Cress
Start	1781	End	2132
GI	none	Score	257
Exons	1781..1939, 1806..2132, 1979..2131		

Seq. No.	32335	Seq. ID	OJ991028_01.0118.C17
Gene No.	67037	Strand	+
Start	1	End	3809
Name	OJ991028_01.0118.C17.o2.ts	Method	TBLASTX:Soybean
Start	1782	End	2050
GI	none	Score	202
Exons	1782..2045, 1802..2050		

Seq. No.	32335	Seq. ID	OJ991028_01.0118.C17
Gene No.	67037	Strand	+
Start	1	End	3809
Name	OJ991028_01.0118.C17.o1.tm	Method	TBLASTX:Maize
Start	1919	End	2179
GI	none	Score	208
Exons	1919..2179, 1920..2177		

Seq. No.	32335	Seq. ID	OJ991028_01.0118.C17
Gene No.	67037	Strand	+
Start	1	End	3809
Name	OJ991028_01.0118.C17.o1.tw	Method	TBLASTX:Wheat
Start	1920	End	2214
GI	none	Score	274
Exons	1920..2186, 1924..2166, 1927..2214, 1928..2179		

Seq. No.	32336	Seq. ID	OJ991028_01.0118.C18
Gene No.	67038	Strand	-
Start	1048	End	1212
Name	OJ991028_01.0118.C18.o1.gp	Method	AAT/GAP
Start	1048	End	1212
GI	35458_1.R1084	Score	102
Exons	1048..1138, 1181..1212		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	32336	Seq. ID	OJ991028_01.0118.C18
Gene No.	67039	Strand	-
Start	1294	End	1626
Name	OJ991028_01.0118.C18.o2.gs	Method	GENSCAN
Start	1294	End	1587
GI	none	Score	.84
Exons	1294..1587		

Seq. No.	32336	Seq. ID	OJ991028_01.0118.C18
Gene No.	67039	Strand	-
Start	1294	End	1626
Name	OJ991028_01.0118.C18.o1.tw	Method	TBLASTX:Wheat
Start	1315	End	1617
GI	none	Score	39
Exons	1315..1458, 1319..1390, 1417..1452, 1459..1617, 1460..1594		

Seq. No.	32336	Seq. ID	OJ991028_01.0118.C18
Gene No.	67039	Strand	-
Start	1294	End	1626
Name	OJ991028_01.0118.C18.o2.np	Method	AAT/NAP
Start	1317	End	1571
GI	3309117	Score	74
Exons	1317..1571		
GI Descrip.	(AF051899) 1,8-cineole synthase [Salvia officinalis]		

Seq. No.	32336	Seq. ID	OJ991028_01.0118.C18
Gene No.	67039	Strand	-
Start	1294	End	1626
Name	OJ991028_01.0118.C18.o1.tm	Method	TBLASTX:Maize
Start	1328	End	1626
GI	none	Score	130
Exons	1328..1600, 1330..1617, 1426..1626		

Seq. No.	32337	Seq. ID	OJ991028_01.0118.C19
Gene No.	67040	Strand	-
Start	273	End	1969
Name	OJ991028_01.0118.C19.o1.gs	Method	GENSCAN
Start	273	End	1804
GI	none	Score	.97
Exons	273..453, 581..799, 901..1279, 1543..1804		

Seq. No.	32337	Seq. ID	OJ991028_01.0118.C19
Gene No.	67040	Strand	-
Start	273	End	1969
Name	OJ991028_01.0118.C19.o1.tm	Method	TBLASTX:Maize
Start	304	End	1274
GI	none	Score	77
Exons	304..435, 318..449, 551..799, 577..798, 900..983, 913..981, 988..1086, 993..1091, 999..1091, 1110..1274, 1118..1213, 1132..1230, 1203..1274		

Seq. No.	32337	Seq. ID	OJ991028_01.0118.C19
Gene No.	67040	Strand	-
Start	273	End	1969
Name	OJ991028_01.0118.C19.o1.np	Method	AAT/NAP
Start	307	End	1969
GI	4733937	Score	494
Exons	307..453, 581..799, 901..1289, 1553..1969		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	32337	Seq. ID	OJ991028_01.0118.C19
Gene No.	67040	Strand	-
Start	273	End	1969
Name	OJ991028_01.0118.C19.o1.ts	Method	TBLASTX:Soybean
Start	360	End	1019

GI	none	Score	74
Exons	360..455, 571..798, 906..1019		

Seq. No.	32338	Seq. ID	OJ991028_01.0118.C20
Gene No.	67041	Strand	+
Start	1014	End	2232
Name	OJ991028_01.0118.C20.o1.gs	Method	GENSCAN
Start	1014	End	2232
GI	none	Score	.5
Exons	1014..1317, 2207..2232		

Seq. No.	32339	Seq. ID	OJ991028_01.0118.C21
Gene No.	67042	Strand	+
Start	301	End	1846
Name	OJ991028_01.0118.C21.o1.gs	Method	GENSCAN
Start	301	End	1846
GI	none	Score	.52
Exons	301..413, 418..470, 1759..1846		

Seq. No.	32340	Seq. ID	OJ991018_02.0118.C1
Gene No.	67043	Strand	+
Start	465	End	596
Name	OJ991018_02.0118.C1.o1.gs	Method	GENSCAN
Start	465	End	596
GI	none	Score	1
Exons	465..596		

Seq. No.	32340	Seq. ID	OJ991018_02.0118.C1
Gene No.	67044	Strand	-
Start	242	End	910
Name	OJ991018_02.0118.C1.o1.gp	Method	AAT/GAP
Start	242	End	910
GI	none	Score	242
Exons	242..296, 818..910		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-
Start	453	End	5773
Name	OJ991018_02.0118.C2.o1.gs	Method	GENSCAN
Start	453	End	5728
GI	none	Score	.9
Exons	453..961, 1494..1689, 2070..2150, 2240..2443, 2945..3154, 3227..3448, 4340..4501, 4611..4838, 5179..5547, 5630..5728		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-
Start	453	End	5773
Name	OJ991018_02.0118.C2.o1.gp	Method	AAT/GAP
Start	454	End	3387
GI	17993_1.R1084	Score	2495
Exons	454..961, 1488..1689, 2070..2150, 2240..2443, 2945..3154, 3227..3387		
GI Descrip.	'5106764/gb|AAD39834.1|AF073329_1 6.0e-50 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]'		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-

Start	453	End	5773
Name	OJ991018_02.0118.C2.o1.np	Method	AAT/NAP
Start	456	End	5773
GI	6685541	Score	2523
Exons	456..959, 1486..1689, 2070..2150, 2240..2443, 2945..3154, 3227..3448, 4340..4501, 4611..4838, 5149..5547, 5630..5773		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 10 (EIF-3 THETA) (EUKARYOTIC TRANSLATION INITIATION FACTOR 3 LARGE SUBUNIT) gi|5106764|gb|AAD39834.1|AF073329_1 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-
Start	453	End	5773
Name	OJ991018_02.0118.C2.o1.tm	Method	TBLASTX:Maize
Start	1482	End	5773
GI	none	Score	136
Exons	1482..1622, 1488..1697, 1546..1692, 2070..2147, 2070..2150, 2071..2148, 2227..2409, 2240..2443, 2241..2444, 2289..2444, 2967..3155, 2999..3163, 3044..3133, 3048..3158, 3225..3449, 3227..3475, 3227..3448, 4338..4478, 4340..4489, 4346..4513, 4347..4502, 4600..4839, 4610..4849, 4610..4834, 4611..4838, 5059..5085, 5159..5227, 5161..5265, 5167..5268, 5236..5565, 5236..5565, 5271..5567, 5619..5771, 5628..5771, 5630..5773		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-
Start	453	End	5773
Name	OJ991018_02.0118.C2.o2.ts	Method	TBLASTX:Soybean
Start	1488	End	4839
GI	none	Score	65
Exons	1488..1601, 1549..1692, 2070..2150, 2083..2148, 2243..2347, 2243..2443, 2292..2438, 2963..3163, 3026..3157, 3048..3164, 3225..3461, 3230..3460, 4343..4513, 4350..4484, 4599..4685, 4599..4838, 4606..4839, 4609..4839		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-
Start	453	End	5773
Name	OJ991018_02.0118.C2.o3.tw	Method	TBLASTX:Wheat
Start	2237	End	3256
GI	none	Score	137
Exons	2237..2347, 2240..2443, 2242..2394, 2289..2444, 2999..3163, 3048..3158, 3218..3256		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-
Start	453	End	5773
Name	OJ991018_02.0118.C2.o2.tc	Method	TBLASTX:Cress
Start	3242	End	4835
GI	none	Score	74
Exons	3242..3271, 3257..3445, 3264..3446, 4338..4505, 4340..4513, 4344..4475, 4598..4807, 4608..4835, 4609..4830		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-

Start	453	End	5773
Name	OJ991018_02.0118.C2.o2.tw	Method	TBLASTX:Wheat
Start	4407	End	5232
GI	none	Score	98
Exons	4407..4502, 4407..4505, 4409..4528, 4409..4513, 4604..4837, 4611..4838, 4612..4839, 5059..5085, 5173..5232, 5176..5232		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-
Start	453	End	5773
Name	OJ991018_02.0118.C2.o1.ts	Method	TBLASTX:Soybean
Start	5161	End	5773
GI	none	Score	289
Exons	5161..5550, 5179..5562, 5183..5575, 5223..5624, 5367..5555, 5616..5741, 5628..5771, 5630..5773		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-
Start	453	End	5773
Name	OJ991018_02.0118.C2.o1.tw	Method	TBLASTX:Wheat
Start	5233	End	5565
GI	none	Score	386
Exons	5233..5565, 5236..5550, 5381..5563		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-
Start	453	End	5773
Name	OJ991018_02.0118.C2.o2.gp	Method	AAT/GAP
Start	5354	End	5747
GI	2427680	Score	588
Exons	5354..5547, 5630..5747		
GI Descrip.	5106764/gb|AAD39834.1|AF073329_1 6.0e-50 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]		

Seq. No.	32341	Seq. ID	OJ991018_02.0118.C2
Gene No.	67045	Strand	-
Start	453	End	5773
Name	OJ991018_02.0118.C2.o1.tc	Method	TBLASTX:Cress
Start	5392	End	5773
GI	none	Score	124
Exons	5392..5550, 5393..5563, 5395..5565, 5619..5771, 5622..5768, 5630..5773		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67046	Strand	+
Start	3311	End	3916
Name	OJ991018_02.0118.C3.o2.gs	Method	GENSCAN
Start	3311	End	3916
GI	none	Score	1
Exons	3311..3916		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67047	Strand	+
Start	5461	End	8414
Name	OJ991018_02.0118.C3.o2.np	Method	AAT/NAP
Start	5461	End	8342
GI	1669601	Score	534

Exons	5461..5717, 5981..6111, 6538..6673, 7252..7348, 7589..7692, 7880..7931, 8217..8342		
GI Descrip.	(D88747) AR401 [Arabidopsis thaliana]		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67047	Strand	+
Start	5461	End	8414
Name	OJ991018_02.0118.C3.o3.gs	Method	GENSCAN
Start	5461	End	8414
GI	none	Score	.97
Exons	5461..5774, 5981..6109, 6539..6673, 7252..7348, 7589..7692, 7880..7931, 8217..8414		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67047	Strand	+
Start	5461	End	8414
Name	OJ991018_02.0118.C3.o3.gp	Method	AAT/GAP
Start	7248	End	7741
GI	LIB3432-034-P2-K1-F1	Score	353
Exons	7248..7348, 7589..7741		
GI Descrip.	'4760710/dbj|BAA77395.1| 3.0e-31 (AB012867) SLL2-S9-protein [Brassica rapa]'		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67048	Strand	-
Start	1	End	2052
Name	OJ991018_02.0118.C3.o1.np	Method	AAT/NAP
Start	1	End	933
GI	6685541	Score	797
Exons	1..641, 888..933		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 10 (EIF-3 THETA) (EUKARYOTIC TRANSLATION INITIATION FACTOR 3 LARGE SUBUNIT) gi|5106764|gb|AAD39834.1|AF073329_1 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67048	Strand	-
Start	1	End	2052
Name	OJ991018_02.0118.C3.o1.gp	Method	AAT/GAP
Start	41	End	533
GI	94015_1.R1084	Score	680
Exons	41..103, 160..533		
GI Descrip.	'5106764/gb|AAD39834.1|AF073329_1 2.0e-32 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]'		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67048	Strand	-
Start	1	End	2052
Name	OJ991018_02.0118.C3.o1.gs	Method	GENSCAN
Start	160	End	2052
GI	none	Score	.65
Exons	160..641, 888..968, 1036..1064, 1093..1256, 2044..2052		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67049	Strand	-
Start	6010	End	12031

Name	OJ991018_02.0118.C3.o3.np	Method	AAT/NAP
Start	6010	End	11254
GI	3461820	Score	224
Exons	6010..6057, 9373..9482, 9590..9676, 9799..9949, 10056..10123, 10279..10350, 11063..11254		
GI Descrip.	(AC004138) unknown protein [Arabidopsis thaliana]		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67049	Strand	-
Start	6010	End	12031
Name	OJ991018_02.0118.C3.o2.gp	Method	AAT/GAP
Start	7250	End	7350
GI	LIB3432-034-P2-K1-F1	Score	152
Exons	7250..7350		
GI Descrip.	'4760710/dbj|BAA77395.1| 3.0e-31 (AB012867) SLL2-S9-protein [Brassica rapa]'		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67049	Strand	-
Start	6010	End	12031
Name	OJ991018_02.0118.C3.o4.gp	Method	AAT/GAP
Start	8199	End	8600
GI	uC-osrocyp034g09a1	Score	760
Exons	8199..8600		
GI Descrip.	'1518113 6.0e-13 (U66193) SLL2 [Brassica napus]'		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67049	Strand	-
Start	6010	End	12031
Name	OJ991018_02.0118.C3.o4.gs	Method	GENSCAN
Start	9085	End	12031
GI	none	Score	.78
Exons	9085..9198, 9799..9949, 10056..10123, 10279..10350, 11063..11301, 11991..12031		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67050	Strand	-
Start	11991	End	12192
Name	OJ991018_02.0118.C3.o1.tm	Method	TBLASTX:Maize
Start	138	End	1020
GI	none	Score	465
Exons	138..644, 154..633, 154..660, 161..643, 369..680, 889..933, 895..1020		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67050	Strand	-
Start	11991	End	12192
Name	OJ991018_02.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	241	End	661
GI	none	Score	403
Exons	241..660, 242..661		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67050	Strand	-
Start	11991	End	12192
Name	OJ991018_02.0118.C3.o1.tc	Method	TBLASTX:Cress
Start	343	End	933

GI	none	Score	162
Exons	343..639, 366..488, 367..660, 380..661, 889..933		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67050	Strand	-
Start	11991	End	12192
Name	OJ991018_02.0118.C3.o4.tm	Method	TBLASTX:Maize
Start	3305	End	3472
GI	none	Score	83
Exons	3305..3373, 3310..3378, 3313..3378, 3350..3472, 3382..3471		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67050	Strand	-
Start	11991	End	12192
Name	OJ991018_02.0118.C3.o2.tm	Method	TBLASTX:Maize
Start	5451	End	8441
GI	none	Score	70
Exons	5451..5519, 5460..5510, 5470..5520, 5568..5657, 5569..5661, 5978..6040, 5979..6044, 5980..6060, 6021..6110, 6047..6112, 6048..6110, 6537..6683, 6539..6694, 6540..6683, 7247..7351, 7251..7364, 7252..7365, 7253..7366, 7582..7692, 7590..7691, 7604..7693, 7877..7942, 7878..7943, 7879..7971, 8208..8300, 8216..8302, 8217..8303, 8297..8428, 8298..8441, 8299..8436		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67050	Strand	-
Start	11991	End	12192
Name	OJ991018_02.0118.C3.o3.tm	Method	TBLASTX:Maize
Start	9213	End	9686
GI	none	Score	37
Exons	9213..9233, 9251..9271, 9393..9482, 9400..9483, 9400..9504, 9594..9686, 9595..9684		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67050	Strand	-
Start	11991	End	12192
Name	OJ991018_02.0118.C3.o2.ts	Method	TBLASTX:Soybean
Start	9611	End	10326
GI	none	Score	40
Exons	9611..9676, 9787..9954, 9890..9952, 10055..10126, 10056..10124, 10279..10326, 10286..10324		

Seq. No.	32342	Seq. ID	OJ991018_02.0118.C3
Gene No.	67050	Strand	-
Start	11991	End	12192
Name	OJ991018_02.0118.C3.o5.gp	Method	AAT/GAP
Start	11991	End	12192
GI	none	Score	339
Exons	11991..12192		

Seq. No.	32343	Seq. ID	OJ991018_02.0118.C6
Gene No.	67051	Strand	+
Start	470	End	1806
Name	OJ991018_02.0118.C6.o1.gs	Method	GENSCAN
Start	470	End	1806
GI	none	Score	.55
Exons	470..530, 800..893, 1546..1686, 1752..1806		

Seq. No.	32343	Seq. ID	OJ991018_02.0118.C6
Gene No.	67052	Strand	-
Start	2188	End	7622
Name	OJ991018_02.0118.C6.o1.np	Method	AAT/NAP
Start	2181	End	7147
GI	6714320	Score	829
Exons	2181..2246, 3156..3506, 3668..3948, 4676..4734, 4993..5283, 5442..5614, 6169..6333, 7019..7147		
GI Descrip.	(AC016972) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32343	Seq. ID	OJ991018_02.0118.C6
Gene No.	67052	Strand	-
Start	2188	End	7622
Name	OJ991018_02.0118.C6.o2.gs	Method	GENSCAN
Start	2188	End	7523
GI	none	Score	.69
Exons	2188..2328, 2489..2578, 3192..3356, 3405..3506, 3668..3971, 4993..5246, 6169..6362, 7394..7523		

Seq. No.	32343	Seq. ID	OJ991018_02.0118.C6
Gene No.	67052	Strand	-
Start	2188	End	7622
Name	OJ991018_02.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	3141	End	4737
GI	none	Score	329
Exons	3141..3218, 3142..3507, 3143..3310, 3144..3515, 3288..3506, 3668..4012, 3669..3974, 3691..3975, 4355..4447, 4370..4441, 4515..4559, 4674..4733, 4675..4737		

Seq. No.	32343	Seq. ID	OJ991018_02.0118.C6
Gene No.	67052	Strand	-
Start	2188	End	7622
Name	OJ991018_02.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	3160	End	3868
GI	none	Score	64
Exons	3160..3228, 3297..3509, 3665..3775, 3755..3868		

Seq. No.	32343	Seq. ID	OJ991018_02.0118.C6
Gene No.	67052	Strand	-
Start	2188	End	7622
Name	OJ991018_02.0118.C6.o2.ts	Method	TBLASTX:Soybean
Start	4944	End	5273
GI	none	Score	63
Exons	4944..5273, 5101..5226		

Seq. No.	32343	Seq. ID	OJ991018_02.0118.C6
Gene No.	67052	Strand	-
Start	2188	End	7622
Name	OJ991018_02.0118.C6.o1.tc	Method	TBLASTX:Cress
Start	5001	End	5268
GI	none	Score	66
Exons	5001..5267, 5002..5268		

Seq. No.	32343	Seq. ID	OJ991018_02.0118.C6
Gene No.	67052	Strand	-
Start	2188	End	7622

Name	OJ991018_02.0118.C6.o2.tm	Method	TBLASTX:Maize
Start	5013	End	5283
GI	none	Score	197
Exons	5013..5261, 5013..5276, 5014..5283, 5014..5283		

Seq. No.	32343	Seq. ID	OJ991018_02.0118.C6
Gene No.	67052	Strand	-
Start	2188	End	7622
Name	OJ991018_02.0118.C6.o1.gp	Method	AAT/GAP
Start	5519	End	7622
GI	none	Score	959
Exons	5519..5614, 6169..6362, 7394..7622		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67053	Strand	+
Start	9664	End	10198
Name	OJ991018_02.0118.C8.o2.gs	Method	GENSCAN
Start	9664	End	10198
GI	none	Score	.46
Exons	9664..9873, 9920..10198		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67054	Strand	+
Start	18365	End	25147
Name	OJ991018_02.0118.C8.o4.gs	Method	GENSCAN
Start	18365	End	25147
GI	none	Score	.56
Exons	18365..18657, 18951..19516, 21840..21953, 22330..22521, 22750..22827, 23520..23620, 23983..24018, 24965..25147		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67054	Strand	+
Start	18365	End	25147
Name	OJ991018_02.0118.C8.o4.np	Method	AAT/NAP
Start	19015	End	22676
GI	6714316	Score	1101
Exons	19015..19516, 21816..21891, 21973..22088, 22168..22676		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67055	Strand	-
Start	3042	End	7497
Name	OJ991018_02.0118.C8.o1.gs	Method	GENSCAN
Start	3042	End	7497
GI	none	Score	.51
Exons	3042..3217, 3897..4319, 7443..7497		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67055	Strand	-
Start	3042	End	7497
Name	OJ991018_02.0118.C8.o1.np	Method	AAT/NAP
Start	3804	End	4856
GI	4262237	Score	207
Exons	3804..4121, 4392..4472, 4788..4856		
GI Descrip.	(AC006200) unknown protein [Arabidopsis thaliana]		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8

Gene No.	67056	Strand	-
Start	9682	End	16742
Name	OJ991018_02.0118.C8.o2.np	Method	AAT/NAP
Start	9682	End	11149
GI	4262237	Score	199
Exons	9682..10039, 11115..11149		
GI Descrip.	(AC006200) unknown protein [Arabidopsis thaliana]		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67056	Strand	-
Start	9682	End	16742
Name	OJ991018_02.0118.C8.o1.gp	Method	AAT/GAP
Start	9809	End	10206
GI	none	Score	759
Exons	9809..10206		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67056	Strand	-
Start	9682	End	16742
Name	OJ991018_02.0118.C8.o3.np	Method	AAT/NAP
Start	9980	End	16742
GI	4262239	Score	2027
Exons	9980..10028, 11466..11597, 11906..11990, 12091..12303, 12442..12662, 12839..12970, 13546..13822, 14215..14416, 15107..15239, 15569..15719, 15812..16002, 16495..16742		
GI Descrip.	(AC006200) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67056	Strand	-
Start	9682	End	16742
Name	OJ991018_02.0118.C8.o3.gs	Method	GENSCAN
Start	11412	End	16710
GI	none	Score	.85
Exons	11412..11597, 11906..11990, 12091..12303, 12442..12662, 12839..12970, 13546..13822, 14215..14416, 15107..15239, 15569..15679, 16104..16227, 16541..16710		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o4.tm	Method	TBLASTX:Maize
Start	3930	End	10000
GI	none	Score	151
Exons	3930..4001, 4059..4109, 4194..4238, 9799..9993, 9800..10000		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o1.tc	Method	TBLASTX:Cress
Start	11906	End	12306
GI	none	Score	73
Exons	11906..11938, 11927..11989, 11943..11990, 12090..12305, 12091..12306, 12115..12306		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673

Name	OJ991018_02.0118.C8.o2.ts	Method	TBLASTX:Soybean
Start	12124	End	13710
GI	none	Score	242
Exons	12124..12306, 12126..12305, 12127..12369, 12397..12621, 12441..12668, 12453..12665, 12815..12970, 12837..12971, 12837..12971, 12838..12972, 12838..12972, 13541..13588, 13543..13605, 13546..13710		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o2.tm	Method	TBLASTX:Maize
Start	12549	End	14357
GI	none	Score	169
Exons	12549..12665, 12549..12668, 12815..12970, 12834..12971, 12836..12973, 12837..12971, 12838..12972, 13076..13132, 13539..13838, 13541..13837, 13546..13839, 14214..14330, 14215..14328, 14226..14357		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o3.ts	Method	TBLASTX:Soybean
Start	14310	End	15240
GI	none	Score	112
Exons	14310..14417, 14310..14417, 14311..14418, 14314..14418, 15106..15240, 15114..15239		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o5.tm	Method	TBLASTX:Maize
Start	14358	End	15240
GI	none	Score	70
Exons	14358..14417, 14365..14418, 15096..15239, 15106..15240, 15112..15231, 15114..15239		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o4.tc	Method	TBLASTX:Cress
Start	15578	End	15984
GI	none	Score	48
Exons	15578..15721, 15684..15722, 15806..15889, 15811..15984		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o2.gp	Method	AAT/GAP
Start	19010	End	19431
GI	none	Score	824
Exons	19010..19431		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o4.ts	Method	TBLASTX:Soybean

Start	19168	End	22673
GI	none	Score	87
Exons	19168..19311, 22380..22673, 22514..22603		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o1.ts	Method	TBLASTX:Soybean
Start	19350	End	22416
GI	none	Score	143
Exons	19350..19508, 19351..19527, 21815..21892, 21815..21892, 21826..21912, 21974..22090, 21974..22087, 21979..22089, 22162..22305, 22163..22327, 22164..22307, 22311..22376, 22390..22416		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o1.tw	Method	TBLASTX:Wheat
Start	21815	End	22310
GI	none	Score	120
Exons	21815..21895, 21815..21895, 21977..22090, 22166..22309, 22167..22310		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o3.tc	Method	TBLASTX:Cress
Start	21854	End	22253
GI	none	Score	66
Exons	21854..21889, 21974..22090, 22163..22252, 22164..22253		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o1.tm	Method	TBLASTX:Maize
Start	21979	End	22587
GI	none	Score	188
Exons	21979..22089, 21980..22090, 21981..22106, 22164..22586, 22164..22586, 22165..22587, 22165..22587		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67057	Strand	-
Start	19010	End	22673
Name	OJ991018_02.0118.C8.o2.tc	Method	TBLASTX:Cress
Start	22254	End	22616
GI	none	Score	69
Exons	22254..22310, 22311..22427, 22311..22436, 22433..22615, 22434..22616		

Seq. No.	32344	Seq. ID	OJ991018_02.0118.C8
Gene No.	67058	Strand	
Start	22589	End	23061
Name	OJ991018_02.0118.C8.o3.tm	Method	TBLASTX:Maize
Start	22589	End	23061
GI	none	Score	85
Exons	22589..22684, 22589..22681, 22590..22685, 22658..22756,		

22691..22756, 22692..22760, 22780..22803, 22827..22859,
22831..22860, 22833..22892, 22891..22926, 22906..23043,
22918..23061, 22931..23056

Seq. No.	32345	Seq. ID	OJ991018_02.0118.C9
Gene No.	67059	Strand	+
Start	161	End	503
Name	OJ991018_02.0118.C9.o1.gs	Method	GENSCAN
Start	161	End	503
GI	none	Score	.63
Exons	161..503		

Seq. No.	32345	Seq. ID	OJ991018_02.0118.C9
Gene No.	67060	Strand	+
Start	1468	End	2231
Name	OJ991018_02.0118.C9.o2.gs	Method	GENSCAN
Start	1468	End	2231
GI	none	Score	.49
Exons	1468..1806, 2112..2231		

Seq. No.	32346	Seq. ID	OJ991018_02.0118.C10
Gene No.	67061	Strand	-
Start	3711	End	9364
Name	OJ991018_02.0118.C10.o1.np	Method	AAT/NAP
Start	2755	End	4460
GI	6907086	Score	1187
Exons	2755..3217, 3444..3630, 3692..4460		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32346	Seq. ID	OJ991018_02.0118.C10
Gene No.	67061	Strand	-
Start	3711	End	9364
Name	OJ991018_02.0118.C10.o1.gs	Method	GENSCAN
Start	3711	End	4232
GI	none	Score	.91
Exons	3711..4232		

Seq. No.	32346	Seq. ID	OJ991018_02.0118.C10
Gene No.	67061	Strand	-
Start	3711	End	9364
Name	OJ991018_02.0118.C10.o2.np	Method	AAT/NAP
Start	4145	End	6117
GI	4680186	Score	178
Exons	4145..4166, 5393..5576, 6048..6117		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32346	Seq. ID	OJ991018_02.0118.C10
Gene No.	67061	Strand	-
Start	3711	End	9364
Name	OJ991018_02.0118.C10.o3.np	Method	AAT/NAP
Start	4426	End	9364
GI	119714	Score	92
Exons	4426..4456, 5327..5439, 7422..7571, 8180..8252, 8285..8435, 9216..9364		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA		

1-620) [Nicotiana tabacum]

Seq. No.	32347	Seq. ID	OJ991018_02.0118.C11
Gene No.	67062	Strand	+
Start	1743	End	2846
Name	OJ991018_02.0118.C11.o2.gs	Method	GENSCAN
Start	1743	End	2846
GI	none	Score	.91
Exons	1743..2021, 2112..2846		

Seq. No.	32347	Seq. ID	OJ991018_02.0118.C11
Gene No.	67063	Strand	+
Start	3147	End	5747
Name	OJ991018_02.0118.C11.o1.np	Method	AAT/NAP
Start	3147	End	5747
GI	5295951	Score	215
Exons	3147..3371, 3598..3977, 5650..5747		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	32347	Seq. ID	OJ991018_02.0118.C11
Gene No.	67064	Strand	-
Start	56	End	106
Name	OJ991018_02.0118.C11.o1.gs	Method	GENSCAN
Start	56	End	106
GI	none	Score	.64
Exons	56..106		

Seq. No.	32347	Seq. ID	OJ991018_02.0118.C11
Gene No.	67065	Strand	-
Start	3254	End	3678
Name	OJ991018_02.0118.C11.o3.gs	Method	GENSCAN
Start	3254	End	3678
GI	none	Score	.94
Exons	3254..3427, 3547..3678		

Seq. No.	32347	Seq. ID	OJ991018_02.0118.C11
Gene No.	67066	Strand	-
Start	5524	End	5638
Name	OJ991018_02.0118.C11.o4.gs	Method	GENSCAN
Start	5524	End	5638
GI	none	Score	.92
Exons	5524..5638		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67067	Strand	+
Start	179	End	2377
Name	OJ991018_02.0118.C12.o1.gs	Method	GENSCAN
Start	179	End	2377
GI	none	Score	.42
Exons	179..352, 1993..2052, 2295..2377		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679
Name	OJ991018_02.0118.C12.o1.np	Method	AAT/NAP
Start	300	End	3775

GI	4234852	Score	2267
Exons	300..3565, 3599..3775		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679
Name	OJ991018_02.0118.C12.o4.tm	Method	TBLASTX:Maize
Start	339	End	792
GI	none	Score	56
Exons	339..530, 565..756, 590..757, 739..792, 746..766		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679
Name	OJ991018_02.0118.C12.o2.ts	Method	TBLASTX:Soybean
Start	354	End	920
GI	none	Score	78
Exons	354..545, 574..720, 768..920		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679
Name	OJ991018_02.0118.C12.o3.tm	Method	TBLASTX:Maize
Start	816	End	1100
GI	none	Score	81
Exons	816..1100, 826..966		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679
Name	OJ991018_02.0118.C12.o1.tw	Method	TBLASTX:Wheat
Start	906	End	1689
GI	none	Score	66
Exons	906..1112, 910..1104, 1045..1281, 1091..1273, 1091..1309, 1316..1399, 1387..1536, 1395..1688, 1399..1689		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679
Name	OJ991018_02.0118.C12.o2.tm	Method	TBLASTX:Maize
Start	1223	End	1688
GI	none	Score	113
Exons	1223..1309, 1395..1688, 1399..1671		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679
Name	OJ991018_02.0118.C12.o1.ts	Method	TBLASTX:Soybean
Start	1395	End	1809
GI	5509260	Score	157
Exons	1395..1808, 1456..1809		
GI Descrip.	-		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679

Name	OJ991018_02.0118.C12.o1.tc	Method	TBLASTX:Cress
Start	1470	End	1730
GI	none	Score	112
Exons	1470..1730, 1492..1728		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679
Name	OJ991018_02.0118.C12.o1.gp	Method	AAT/GAP
Start	2575	End	3142
GI	uC-osflcyp006a10b1	Score	816
Exons	2575..2823, 2931..3142		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679
Name	OJ991018_02.0118.C12.o1.tm	Method	TBLASTX:Maize
Start	2686	End	3682
GI	none	Score	71
Exons	2686..2826, 2765..2827, 3080..3358, 3104..3682, 3114..3560		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679
Name	OJ991018_02.0118.C12.o2.gs	Method	GENSCAN
Start	2789	End	5679
GI	none	Score	.51
Exons	2789..2823, 2931..3034, 3078..3783, 4906..5255, 5317..5418, 5547..5679		

Seq. No.	32348	Seq. ID	OJ991018_02.0118.C12
Gene No.	67068	Strand	-
Start	300	End	5679
Name	OJ991018_02.0118.C12.o2.gp	Method	AAT/GAP
Start	3374	End	3885
GI	uC-osflM202052c07b1	Score	999
Exons	3374..3885		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	32349	Seq. ID	OJ991018_02.0118.C13
Gene No.	67069	Strand	+
Start	90	End	1007
Name	OJ991018_02.0118.C13.o1.gs	Method	GENSCAN
Start	90	End	1007
GI	none	Score	.94
Exons	90..191, 293..504, 536..1007		

Seq. No.	32349	Seq. ID	OJ991018_02.0118.C13
Gene No.	67070	Strand	+
Start	2644	End	3779
Name	OJ991018_02.0118.C13.o1.np	Method	AAT/NAP
Start	2644	End	3779
GI	6815095	Score	656
Exons	2644..2740, 3158..3347, 3387..3779		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32349	Seq. ID	OJ991018_02.0118.C13
Gene No.	67071	Strand	+
Start	11747	End	12950
Name	OJ991018_02.0118.C13.o2.np	Method	AAT/NAP
Start	11505	End	12950
GI	6907086	Score	907
Exons	11505..12263, 12324..12560, 12790..12950		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32349	Seq. ID	OJ991018_02.0118.C13
Gene No.	67071	Strand	+
Start	11747	End	12950
Name	OJ991018_02.0118.C13.o3.gs	Method	GENSCAN
Start	11747	End	12264
GI	none	Score	.93
Exons	11747..12081, 12120..12264		

Seq. No.	32349	Seq. ID	OJ991018_02.0118.C13
Gene No.	67072	Strand	-
Start	9509	End	10017
Name	OJ991018_02.0118.C13.o2.gp	Method	AAT/GAP
Start	9509	End	10017
GI	38782_1.R1084	Score	766
Exons	9509..10017		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	32350	Seq. ID	OJ991018_02.0118.C14
Gene No.	67073	Strand	+
Start	18	End	1440
Name	OJ991018_02.0118.C14.o1.gs	Method	GENSCAN
Start	18	End	1440
GI	none	Score	.57
Exons	18..35, 195..277, 957..1036, 1379..1440		

Seq. No.	32351	Seq. ID	OJ991208_02.0106.C4
Gene No.	67074	Strand	+
Start	6291	End	7087
Name	OJ991208_02.0106.C4.o2.np	Method	AAT/NAP
Start	6291	End	7087
GI	4512231	Score	1239
Exons	6291..7087		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	32351	Seq. ID	OJ991208_02.0106.C4
Gene No.	67075	Strand	+
Start	7325	End	9619
Name	OJ991208_02.0106.C4.o3.np	Method	AAT/NAP
Start	7325	End	9619
GI	4680179	Score	1053
Exons	7325..8385, 8413..8644, 9597..9619		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32351	Seq. ID	OJ991208_02.0106.C4
Gene No.	67076	Strand	-
Start	3363	End	4866
Name	OJ991208_02.0106.C4.o1.np	Method	AAT/NAP

Start	3363	End	4866
GI	5852179	Score	263
Exons	3363..3451, 3555..3747, 3822..4022, 4846..4866		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	32351	Seq. ID	OJ991208_02.0106.C4
Gene No.	67077	Strand	-
Start	5483	End	5673
Name	OJ991208_02.0106.C4.o1.gp	Method	AAT/GAP
Start	5483	End	5673
GI	LIB3433-026-P1-K1-C1	Score	248
Exons	5483..5673		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32351	Seq. ID	OJ991208_02.0106.C4
Gene No.	67078	Strand	-
Start	9067	End	9424
Name	OJ991208_02.0106.C4.o3.tw	Method	TBLASTX:Wheat
Start	7536	End	7734
GI	none	Score	192
Exons	7536..7733, 7552..7734		

Seq. No.	32351	Seq. ID	OJ991208_02.0106.C4
Gene No.	67078	Strand	-
Start	9067	End	9424
Name	OJ991208_02.0106.C4.o1.tm	Method	TBLASTX:Maize
Start	7786	End	8124
GI	none	Score	248
Exons	7786..8124, 7789..7995		

Seq. No.	32351	Seq. ID	OJ991208_02.0106.C4
Gene No.	67078	Strand	-
Start	9067	End	9424
Name	OJ991208_02.0106.C4.o1.tw	Method	TBLASTX:Wheat
Start	7786	End	8136
GI	none	Score	316
Exons	7786..8136		

Seq. No.	32351	Seq. ID	OJ991208_02.0106.C4
Gene No.	67078	Strand	-
Start	9067	End	9424
Name	OJ991208_02.0106.C4.o2.tw	Method	TBLASTX:Wheat
Start	8302	End	8676
GI	none	Score	62
Exons	8302..8349, 8422..8676, 8454..8675		

Seq. No.	32351	Seq. ID	OJ991208_02.0106.C4
Gene No.	67078	Strand	-
Start	9067	End	9424
Name	OJ991208_02.0106.C4.o2.gs	Method	GENSCAN
Start	9067	End	9424
GI	none	Score	.87
Exons	9067..9074, 9245..9424		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67079	Strand	+

Start	2788	End	5894
Name	OJ991208_02.0106.C5.o3.np	Method	AAT/NAP
Start	2788	End	5894
GI	4416302	Score	3403
Exons	2788..5894		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67080	Strand	+
Start	13703	End	18484
Name	OJ991208_02.0106.C5.o5.np	Method	AAT/NAP
Start	13703	End	18484
GI	2708484	Score	1443
Exons	13703..13806, 13913..14022, 14172..14270, 14351..14407, 14592..14747, 14835..14919, 15029..15119, 15555..15719, 15799..15918, 16222..16297, 16384..17220, 17411..17718, 17839..17972, 18075..18265, 18363..18484		
GI Descrip.	(U79557) IAA24 [Arabidopsis thaliana]		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67081	Strand	+
Start	25762	End	28644
Name	OJ991208_02.0106.C5.o7.np	Method	AAT/NAP
Start	25762	End	28644
GI	5042463	Score	405
Exons	25762..25782, 27477..27649, 28359..28514, 28561..28644		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67082	Strand	+
Start	31182	End	33452
Name	OJ991208_02.0106.C5.o8.np	Method	AAT/NAP
Start	31182	End	33452
GI	4406814	Score	368
Exons	31182..31416, 33331..33452		
GI Descrip.	(AC006201) putative peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67083	Strand	+
Start	34074	End	34314
Name	OJ991208_02.0106.C5.o2.gp	Method	AAT/GAP
Start	34074	End	34314
GI	2442637	Score	445
Exons	34074..34314		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67084	Strand	+
Start	34763	End	35886
Name	OJ991208_02.0106.C5.o3.gp	Method	AAT/GAP
Start	34763	End	35886
GI	3107515	Score	655
Exons	34763..34976, 35753..35886		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67085	Strand	+
Start	36245	End	37604

Name	OJ991208_02.0106.C5.o4.gp	Method	AAT/GAP
Start	36245	End	37604
GI	none	Score	1165
Exons	36245..36326, 36405..36604, 37114..37239, 37340..37604		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67086	Strand	+
Start	39426	End	41612
Name	OJ991208_02.0106.C5.o4.gs	Method	GENSCAN
Start	39426	End	41612
GI	none	Score	.43
Exons	39426..39600, 39773..39999, 40650..40708, 40836..40905, 41574..41612		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67087	Strand	+
Start	45490	End	47350
Name	OJ991208_02.0106.C5.o9.np	Method	AAT/NAP
Start	45469	End	47350
GI	4406823	Score	279
Exons	45469..45861, 47250..47350		
GI Descrip.	(AC006201) putative homeodomain transcription factor [Arabidopsis thaliana]		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67087	Strand	+
Start	45490	End	47350
Name	OJ991208_02.0106.C5.o5.gs	Method	GENSCAN
Start	45490	End	46531
GI	none	Score	.63
Exons	45490..45865, 45967..46088, 46169..46531		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67088	Strand	+
Start	51853	End	52185
Name	OJ991208_02.0106.C5.o11.np	Method	AAT/NAP
Start	51853	End	52182
GI	3420051	Score	624
Exons	51853..52182		
GI Descrip.	(AC004680) unknown protein [Arabidopsis thaliana]		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67088	Strand	+
Start	51853	End	52185
Name	OJ991208_02.0106.C5.o7.gs	Method	GENSCAN
Start	51853	End	52185
GI	none	Score	.77
Exons	51853..52185		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67089	Strand	+
Start	56056	End	57914
Name	OJ991208_02.0106.C5.o8.gs	Method	GENSCAN
Start	56056	End	57914
GI	none	Score	.59
Exons	56056..56061, 56563..56772, 56858..56982, 57068..57914		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67089	Strand	+
Start	56056	End	57914
Name	OJ991208_02.0106.C5.o5.gp	Method	AAT/GAP
Start	57283	End	57732
GI	LIB3431-023-P1-K1-B10	Score	839
Exons	57283..57732		
GI Descrip.	'20153/emb|X57919|OS12RG14R 8.0e-83 O.sativa random single-copy DNA fragment 12RG143R'		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67090	Strand	-
Start	1	End	1845
Name	OJ991208_02.0106.C5.o1.np	Method	AAT/NAP
Start	1	End	1845
GI	6721516	Score	320
Exons	1..46, 184..431, 1674..1845		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67091	Strand	-
Start	5846	End	14429
Name	OJ991208_02.0106.C5.o4.np	Method	AAT/NAP
Start	5846	End	14429
GI	6721516	Score	634
Exons	5846..5939, 6626..6789, 9994..10247, 10658..10913, 14405..14429		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67092	Strand	-
Start	19537	End	22857
Name	OJ991208_02.0106.C5.o2.gs	Method	GENSCAN
Start	19537	End	22857
GI	none	Score	.59
Exons	19537..19670, 19803..20246, 20305..21016, 21781..22166, 22615..22656, 22737..22857		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67093	Strand	-
Start	45888	End	50558
Name	OJ991208_02.0106.C5.o10.np	Method	AAT/NAP
Start	45888	End	50107
GI	6648198	Score	380
Exons	45888..45908, 47862..47931, 48255..48354, 49698..49803, 49915..50107		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67093	Strand	-
Start	45888	End	50558
Name	OJ991208_02.0106.C5.o6.gs	Method	GENSCAN
Start	47836	End	50558
GI	none	Score	.75
Exons	47836..47931, 48255..48354, 49698..49803, 49915..50231, 50455..50558		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5

Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o11.tm	Method	TBLASTX:Maize
Start	2616	End	2976
GI	none	Score	105
Exons	2616..2708, 2618..2710, 2737..2976, 2745..2813, 2841..2969		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o4.tw	Method	TBLASTX:Wheat
Start	2761	End	3069
GI	none	Score	217
Exons	2761..3069, 2766..2987		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o7.tm	Method	TBLASTX:Maize
Start	2979	End	3371
GI	none	Score	89
Exons	2979..3110, 2980..3108, 3096..3320, 3098..3304, 3099..3371, 3103..3369		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o2.tw	Method	TBLASTX:Wheat
Start	3141	End	3706
GI	none	Score	261
Exons	3141..3371, 3142..3387, 3427..3504, 3533..3706, 3534..3704		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o2.tm	Method	TBLASTX:Maize
Start	3376	End	4175
GI	none	Score	109
Exons	3376..3447, 3383..3448, 3402..3449, 3443..4024, 3448..3513, 3491..3865, 3531..4064, 3534..4064, 4073..4174, 4077..4175, 4125..4163		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o5.ts	Method	TBLASTX:Soybean
Start	3555	End	4016
GI	none	Score	338
Exons	3555..4016, 3584..3745, 3812..3928		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o8.tc	Method	TBLASTX:Cress
Start	3597	End	4013
GI	none	Score	211
Exons	3597..4013		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o5.tw	Method	TBLASTX:Wheat
Start	3798	End	4139
GI	none	Score	96
Exons	3798..3884, 3882..4025, 3891..4028, 4050..4139, 4076..4129		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o8.tm	Method	TBLASTX:Maize
Start	4233	End	4523
GI	none	Score	296
Exons	4233..4484, 4256..4483, 4473..4523, 4475..4522		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o1.ts	Method	TBLASTX:Soybean
Start	4251	End	4864
GI	5509260	Score	715
Exons	4251..4859, 4344..4547, 4346..4864, 4778..4864		
GI Descrip.	-		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o1.tw	Method	TBLASTX:Wheat
Start	4380	End	4856
GI	none	Score	84
Exons	4380..4469, 4476..4502, 4493..4846, 4503..4850, 4509..4637, 4510..4713, 4511..4849, 4680..4856		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o9.tc	Method	TBLASTX:Cress
Start	4472	End	4745
GI	none	Score	195
Exons	4472..4615, 4473..4745		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o5.tm	Method	TBLASTX:Maize
Start	4524	End	4992
GI	none	Score	571
Exons	4524..4991, 4524..4643, 4526..4969, 4677..4982, 4774..4992		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o15.tm	Method	TBLASTX:Maize
Start	5037	End	5225
GI	none	Score	243

Exons	5037..5225, 5048..5185, 5128..5208		
Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o3.tw	Method	TBLASTX:Wheat
Start	5040	End	5471
GI	none	Score	105
Exons	5040..5201, 5214..5471		
Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o1.tm	Method	TBLASTX:Maize
Start	5226	End	5947
GI	none	Score	912
Exons	5226..5888, 5228..5902, 5789..5947, 5791..5913		
Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o4.ts	Method	TBLASTX:Soybean
Start	5235	End	5876
GI	none	Score	308
Exons	5235..5618, 5240..5611, 5247..5618, 5652..5876, 5660..5827		
Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o7.tc	Method	TBLASTX:Cress
Start	5415	End	5873
GI	none	Score	69
Exons	5415..5504, 5508..5642, 5628..5873, 5654..5821		
Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o6.tw	Method	TBLASTX:Wheat
Start	5508	End	5840
GI	none	Score	105
Exons	5508..5633, 5528..5629, 5652..5840, 5708..5827		
Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o9.tm	Method	TBLASTX:Maize
Start	13878	End	15090
GI	none	Score	164
Exons	13878..14024, 13882..14025, 14169..14279, 14351..14404, 14636..14740, 14637..14747, 14639..14749, 14809..14919, 14819..14920, 14835..14936, 15010..15072, 15021..15083, 15028..15090		
Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o2.tc	Method	TBLASTX:Cress

Start	13882	End	18450
GI	none	Score	188
Exons	13882..14025, 13920..14024, 14169..14270, 14208..14270, 14350..14421, 14351..14422, 14591..14740, 14592..14747, 14598..14747, 14599..14748, 14600..14749, 14834..14920, 14835..14936, 15027..15119, 15028..15129, 15031..15129, 15540..15719, 15542..15610, 15552..15674, 15553..15720, 15796..15852, 15797..15847, 15857..15925, 15862..15918, 16219..16299, 16220..16300, 16380..16496, 16384..16515, 18073..18165, 18074..18265, 18075..18266, 18204..18269, 18358..18450		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o6.ts	Method	TBLASTX:Soybean
Start	14229	End	15075
GI	none	Score	64
Exons	14229..14270, 14351..14401, 14636..14749, 14637..14747, 14819..14920, 14835..14936, 15021..15074, 15028..15075		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o8.ts	Method	TBLASTX:Soybean
Start	15549	End	16446
GI	none	Score	140
Exons	15549..15734, 15574..15720, 15796..15918, 15797..15925, 16219..16290, 16220..16300, 16380..16445, 16384..16446		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o17.tm	Method	TBLASTX:Maize
Start	15553	End	16446
GI	none	Score	160
Exons	15553..15720, 15556..15720, 15570..15734, 15797..15853, 15802..15846, 15863..15925, 15866..15910, 16220..16300, 16384..16446		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o18.tm	Method	TBLASTX:Maize
Start	16902	End	17161
GI	none	Score	194
Exons	16902..17114, 16904..17110, 16909..17127, 16945..17115, 17114..17161		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o4.tm	Method	TBLASTX:Maize
Start	17213	End	17889
GI	none	Score	42
Exons	17213..17254, 17236..17427, 17262..17624, 17265..17624, 17622..17714, 17628..17771, 17629..17691, 17639..17707,		

17757..17888, 17757..17888, 17758..17889, 17758..17889

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o7.ts	Method	TBLASTX:Soybean
Start	17949	End	18435
GI	none	Score	37
Exons	17949..17975, 18067..18264, 18067..18114, 18068..18196, 18069..18266, 18105..18266, 18363..18434, 18364..18435		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o12.tm	Method	TBLASTX:Maize
Start	18071	End	18450
GI	none	Score	210
Exons	18071..18199, 18075..18266, 18102..18266, 18358..18450		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o9.ts	Method	TBLASTX:Soybean
Start	31172	End	33449
GI	none	Score	236
Exons	31172..31279, 31173..31424, 31334..31417, 33329..33448, 33330..33449		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o14.tm	Method	TBLASTX:Maize
Start	31190	End	33581
GI	none	Score	254
Exons	31190..31417, 31191..31424, 33329..33463, 33330..33458, 33331..33465, 33537..33581		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o6.tc	Method	TBLASTX:Cress
Start	31197	End	33463
GI	none	Score	219
Exons	31197..31424, 31205..31417, 33329..33463, 33330..33455		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o13.tm	Method	TBLASTX:Maize
Start	34874	End	36311
GI	none	Score	138
Exons	34874..34966, 34875..34988, 34875..34982, 35750..35917, 35752..35919, 35801..35920, 36079..36159, 36080..36160, 36088..36162, 36095..36160, 36131..36310, 36136..36309, 36150..36311		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5

Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o5.tc	Method	TBLASTX:Cress
Start	35756	End	36442
GI	none	Score	88
Exons	35756..35902, 36080..36328, 36097..36330, 36388..36441, 36401..36442		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o3.ts	Method	TBLASTX:Soybean
Start	36080	End	37479
GI	none	Score	126
Exons	36080..36178, 36088..36177, 36202..36330, 36206..36328, 36403..36597, 36404..36604, 36404..36604, 36468..36614, 37113..37241, 37113..37244, 37114..37251, 37337..37441, 37339..37437, 37348..37479, 37353..37445		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o4.tc	Method	TBLASTX:Cress
Start	36482	End	37438
GI	none	Score	188
Exons	36482..36604, 36490..36603, 36494..36610, 36495..36611, 36496..36612, 37093..37236, 37110..37244, 37114..37251, 37319..37423, 37337..37438, 37342..37431		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o10.tm	Method	TBLASTX:Maize
Start	36569	End	37447
GI	none	Score	66
Exons	36569..36604, 37112..37222, 37113..37250, 37114..37251, 37331..37438, 37337..37447		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o3.tc	Method	TBLASTX:Cress
Start	45564	End	45771
GI	none	Score	301
Exons	45564..45746, 45565..45771, 45665..45748		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o10.ts	Method	TBLASTX:Soybean
Start	45570	End	45771
GI	none	Score	74
Exons	45570..45629, 45571..45630, 45622..45771, 45633..45740		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014

Name	OJ991208_02.0106.C5.o3.tm	Method	TBLASTX:Maize
Start	51828	End	52254
GI	none	Score	414
Exons	51828..52232, 51834..52202, 51835..52254		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o2.ts	Method	TBLASTX:Soybean
Start	51831	End	52137
GI	none	Score	268
Exons	51831..52118, 51852..52136, 51853..52137		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o1.tc	Method	TBLASTX:Cress
Start	51874	End	52202
GI	none	Score	126
Exons	51874..51969, 51894..51968, 51896..51979, 51965..52024, 51966..52169, 51966..52202, 51967..52185		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o6.tm	Method	TBLASTX:Maize
Start	53233	End	56941
GI	none	Score	83
Exons	53233..53298, 53234..53335, 53236..53304, 56552..56764, 56554..56775, 56562..56768, 56855..56938, 56876..56941		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o11.ts	Method	TBLASTX:Soybean
Start	56552	End	56769
GI	none	Score	72
Exons	56552..56758, 56553..56768, 56554..56769		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o16.tm	Method	TBLASTX:Maize
Start	57639	End	58009
GI	none	Score	113
Exons	57639..57692, 57660..57797, 57689..57802, 57691..57885, 57798..57890, 57809..57889, 57885..58004, 57885..58004, 57890..58009		

Seq. No.	32352	Seq. ID	OJ991208_02.0106.C5
Gene No.	67094	Strand	-
Start	57830	End	58014
Name	OJ991208_02.0106.C5.o6.gp	Method	AAT/GAP
Start	57830	End	58014
GI	none	Score	359
Exons	57830..58014		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67095	Strand	+
Start	3657	End	3876
Name	OJ991208_02.0106.C6.o2.gp	Method	AAT/GAP
Start	3657	End	3876
GI	none	Score	314
Exons	3657..3876		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67096	Strand	+
Start	6715	End	6829
Name	OJ991208_02.0106.C6.o5.gp	Method	AAT/GAP
Start	6715	End	6829
GI	none	Score	197
Exons	6715..6829		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67097	Strand	+
Start	15254	End	19644
Name	OJ991208_02.0106.C6.o2.gs	Method	GENSCAN
Start	15254	End	19307
GI	none	Score	.87
Exons	15254..15306, 16079..16248, 17642..17691, 17880..17953, 18035..18097, 18450..18537, 18763..18897, 18902..18981, 19064..19135, 19226..19307		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67097	Strand	+
Start	15254	End	19644
Name	OJ991208_02.0106.C6.o6.gp	Method	AAT/GAP
Start	16031	End	17957
GI	none	Score	898
Exons	16031..16248, 17279..17385, 17488..17558, 17642..17691, 17880..17957		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67097	Strand	+
Start	15254	End	19644
Name	OJ991208_02.0106.C6.o7.gp	Method	AAT/GAP
Start	18512	End	19644
GI	2939_1.R1084	Score	1224
Exons	18512..18537, 18763..18825, 18902..18981, 19064..19135, 19226..19644		
GI Descrip.	'3786409 9.0e-09 (AF098499) contains similarity to Saccharomyces cerevisiae MAF1 protein (GB:U19492) [Caenorhabditis elegans]'		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67098	Strand	-
Start	3222	End	14439
Name	OJ991208_02.0106.C6.o2.tm	Method	TBLASTX:Maize
Start	2672	End	4164
GI	none	Score	60
Exons	2672..2716, 2707..2751, 2726..2755, 2772..2843, 2784..2810, 2836..2865, 2838..2873, 2865..2897, 2869..2898, 3684..3839, 3685..3834, 3808..3909, 3846..3905, 3848..3910, 3858..3914, 3895..3936, 3896..3940, 3897..3962, 3940..4161, 3941..4162, 3942..4163, 4108..4164		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67098	Strand	-
Start	3222	End	14439
Name	OJ991208_02.0106.C6.o1.gp	Method	AAT/GAP
Start	2741	End	3013
GI	none	Score	348
Exons	2741..3013		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67098	Strand	-
Start	3222	End	14439
Name	OJ991208_02.0106.C6.o1.gs	Method	GENSCAN
Start	3222	End	14439
GI	none	Score	.63
Exons	3222..3244, 3665..5279, 5364..5420, 5857..6027, 6114..6827, 8296..8479, 8791..8886, 9791..9886, 10059..10215, 10271..10706, 10939..11135, 13599..13751, 14052..14163, 14371..14439		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67098	Strand	-
Start	3222	End	14439
Name	OJ991208_02.0106.C6.o3.gp	Method	AAT/GAP
Start	3877	End	4764
GI	none	Score	1662
Exons	3877..4764		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67098	Strand	-
Start	3222	End	14439
Name	OJ991208_02.0106.C6.o1.tm	Method	TBLASTX:Maize
Start	4169	End	10132
GI	none	Score	46
Exons	4169..4549, 4170..4235, 4329..4556, 4338..4556, 4554..4619, 4555..4635, 4620..4874, 4621..4824, 4821..5012, 4931..5026, 10055..10132		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67098	Strand	-
Start	3222	End	14439
Name	OJ991208_02.0106.C6.o4.tm	Method	TBLASTX:Maize
Start	5204	End	6278
GI	none	Score	111
Exons	5204..5281, 5204..5281, 5346..5396, 5347..5400, 5808..6002, 5843..5983, 5854..6021, 6135..6278, 6155..6277		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67098	Strand	-
Start	3222	End	14439
Name	OJ991208_02.0106.C6.o1.tw	Method	TBLASTX:Wheat
Start	6249	End	6827
GI	none	Score	134
Exons	6249..6407, 6291..6431, 6291..6431, 6309..6473, 6309..6473, 6321..6509, 6333..6572, 6339..6521, 6389..6559, 6404..6487, 6507..6605, 6520..6600, 6534..6629, 6535..6621, 6564..6695, 6565..6696, 6565..6696, 6566..6703, 6596..6718, 6686..6823, 6690..6824, 6690..6827		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67098	Strand	-
Start	3222	End	14439
Name	OJ991208_02.0106.C6.o4.gp	Method	AAT/GAP
Start	6258	End	6659
GI	64866_1.R1084	Score	712
Exons	6258..6659		
GI Descrip.	'475784 2.0e-13 (M99575) 85 kDa protein [Babesia bovis]'		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67099	Strand	
Start	17312	End	18089
Name	OJ991208_02.0106.C6.o5.tm	Method	TBLASTX:Maize
Start	17312	End	18089
GI	none	Score	80
Exons	17312..17395, 17315..17383, 17328..17420, 17329..17385, 17479..17568, 17484..17558, 17486..17566, 17486..17569, 17635..17694, 17643..17690, 17878..17937, 17879..17953, 18021..18089, 18029..18088		

Seq. No.	32353	Seq. ID	OJ991208_02.0106.C6
Gene No.	67100	Strand	
Start	18451	End	19323
Name	OJ991208_02.0106.C6.o3.tm	Method	TBLASTX:Maize
Start	18451	End	19323
GI	none	Score	80
Exons	18451..18528, 18452..18526, 18755..18826, 18760..18828, 18762..18827, 18894..18977, 18899..18982, 18902..18982, 19063..19119, 19065..19130, 19065..19121, 19224..19319, 19225..19323, 19226..19321		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67101	Strand	+
Start	7160	End	9576
Name	OJ991208_02.0106.C7.o2.gs	Method	GENSCAN
Start	7160	End	9576
GI	none	Score	.98
Exons	7160..7268, 9155..9576		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67102	Strand	+
Start	9732	End	12960
Name	OJ991208_02.0106.C7.o3.gs	Method	GENSCAN
Start	9732	End	12760
GI	none	Score	.47
Exons	9732..9966, 10114..10164, 10317..10484, 12377..12760		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67102	Strand	+
Start	9732	End	12960
Name	OJ991208_02.0106.C7.o1.np	Method	AAT/NAP
Start	9768	End	12960
GI	6642638	Score	555
Exons	9768..9966, 12377..12960		
GI Descrip.	(AC012395) GTP cyclohydrolase I [Arabidopsis thaliana]		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67103	Strand	-
Start	28	End	6190
Name	OJ991208_02.0106.C7.o1.gs	Method	GENSCAN
Start	28	End	6190
GI	none	Score	.62
Exons	28..186, 701..734, 1272..1341, 1418..1471, 1569..1691, 1842..1923, 2811..2935, 3025..3048, 3749..3918, 4604..4665, 5428..5708, 5877..5977, 6101..6190		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67103	Strand	-
Start	28	End	6190
Name	OJ991208_02.0106.C7.o2.tm	Method	TBLASTX:Maize
Start	106	End	3292
GI	none	Score	87
Exons	106..159, 106..180, 107..181, 1269..1343, 1279..1344, 1418..1471, 1423..1473, 1566..1694, 1568..1705, 1569..1700, 1842..1964, 1857..1925, 2809..2937, 2810..2938, 3022..3051, 3023..3100, 3218..3292, 3228..3278, 3229..3285		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67103	Strand	-
Start	28	End	6190
Name	OJ991208_02.0106.C7.o1.tc	Method	TBLASTX:Cress
Start	1269	End	1700
GI	none	Score	69
Exons	1269..1340, 1420..1473, 1421..1471, 1561..1692, 1568..1693, 1569..1700		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67103	Strand	-
Start	28	End	6190
Name	OJ991208_02.0106.C7.o1.gp	Method	AAT/GAP
Start	1418	End	2857
GI	LIB3432-007-P1-K1-G4	Score	476
Exons	1418..1471, 1569..1691, 1842..1923, 2811..2857		
GI Descrip.	'629838/pir||S43326 2.0e-09 tubulin beta-4 chain - maize >gi_416145 (L10635) beta-4 tubulin [Zea mays]'		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67103	Strand	-
Start	28	End	6190
Name	OJ991208_02.0106.C7.o1.tw	Method	TBLASTX:Wheat
Start	1437	End	2872
GI	none	Score	48
Exons	1437..1472, 1438..1470, 1442..1471, 1571..1690, 1578..1700, 1579..1689, 1580..1693, 1843..1923, 1857..1925, 2807..2860, 2808..2858, 2810..2872		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67103	Strand	-
Start	28	End	6190
Name	OJ991208_02.0106.C7.o2.tc	Method	TBLASTX:Cress
Start	2809	End	3835
GI	none	Score	136
Exons	2809..2937, 2810..2938, 2829..2951, 3025..3048, 3026..3055,		

3240..3275, 3345..3410, 3369..3488, 3370..3483, 3568..3612, 3568..3618, 3748..3834, 3749..3835

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67103	Strand	-
Start	28	End	6190
Name	OJ991208_02.0106.C7.o2.gp	Method	AAT/GAP
Start	3236	End	3829
GI	3763745	Score	461
Exons	3236..3274, 3368..3485, 3568..3619, 3749..3829		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67103	Strand	-
Start	28	End	6190
Name	OJ991208_02.0106.C7.o3.tm	Method	TBLASTX:Maize
Start	3369	End	4286
GI	none	Score	146
Exons	3369..3488, 3379..3486, 3568..3618, 3568..3618, 3578..3619, 3748..3855, 3749..3856, 3974..4024, 4230..4286		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67103	Strand	-
Start	28	End	6190
Name	OJ991208_02.0106.C7.o2.ts	Method	TBLASTX:Soybean
Start	4236	End	5563
GI	none	Score	75
Exons	4236..4355, 4285..4356, 4459..4542, 4472..4540, 4604..4663, 4605..4661, 5429..5512, 5433..5513, 5519..5563, 5523..5555		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67103	Strand	-
Start	28	End	6190
Name	OJ991208_02.0106.C7.o4.tm	Method	TBLASTX:Maize
Start	4469	End	5578
GI	none	Score	113
Exons	4469..4540, 4471..4542, 4473..4541, 4604..4663, 4605..4664, 5418..5546, 5424..5558, 5426..5578, 5426..5563, 5530..5565		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67104	Strand	
Start	9867	End	12846
Name	OJ991208_02.0106.C7.o1.ts	Method	TBLASTX:Soybean
Start	9867	End	12846
GI	none	Score	128
Exons	9867..9977, 12369..12530, 12375..12734, 12376..12735, 12491..12610, 12505..12732, 12591..12734, 12757..12846, 12790..12846		

Seq. No.	32354	Seq. ID	OJ991208_02.0106.C7
Gene No.	67104	Strand	
Start	9867	End	12846
Name	OJ991208_02.0106.C7.o1.tm	Method	TBLASTX:Maize
Start	12426	End	12817
GI	none	Score	502
Exons	12426..12803, 12426..12809, 12427..12810, 12482..12817		

Seq. No.	32355	Seq. ID	OJ991028_03.0118.C1

Gene No.	67105	Strand	+
Start	1	End	4323
Name	OJ991028_03.0118.C1.o1.gp	Method	AAT/GAP
Start	1	End	464
GI	uC-osflcyp097b11b1	Score	496
Exons	1..53, 137..343, 441..464		
GI Descrip.	'6017117/gb|AAF01600.1|AC009895_21 3.0e-17 (AC009895) unknown protein [Arabidopsis thaliana] >gi_6091765_gb_AAF03475.1_AC009327_14 (AC009327) unknown protein [Arabidopsis thaliana]'		

Seq. No.	32355	Seq. ID	OJ991028_03.0118.C1
Gene No.	67105	Strand	+
Start	1	End	4323
Name	OJ991028_03.0118.C1.o1.np	Method	AAT/NAP
Start	1	End	4156
GI	6017117	Score	677
Exons	1..53, 137..343, 441..656, 2232..2434, 2663..2758, 3313..3498, 3588..3724, 3952..4156		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana] gi|6091765|gb|AAF03475.1|AC009327_14 (AC009327) unknown protein [Arabidopsis thaliana]		

Seq. No.	32355	Seq. ID	OJ991028_03.0118.C1
Gene No.	67105	Strand	+
Start	1	End	4323
Name	OJ991028_03.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	3	End	2469
GI	none	Score	58
Exons	3..53, 14..55, 130..345, 134..346, 438..659, 438..653, 443..658, 2230..2298, 2232..2300, 2232..2297, 2234..2299, 2365..2457, 2367..2456, 2384..2458, 2386..2469		

Seq. No.	32355	Seq. ID	OJ991028_03.0118.C1
Gene No.	67105	Strand	+
Start	1	End	4323
Name	OJ991028_03.0118.C1.o1.gs	Method	GENSCAN
Start	137	End	4132
GI	none	Score	.62
Exons	137..343, 441..656, 2232..2298, 3305..3498, 3588..3724, 3952..4132		

Seq. No.	32355	Seq. ID	OJ991028_03.0118.C1
Gene No.	67105	Strand	+
Start	1	End	4323
Name	OJ991028_03.0118.C1.o2.gp	Method	AAT/GAP
Start	1603	End	1715
GI	none	Score	179
Exons	1603..1715		

Seq. No.	32355	Seq. ID	OJ991028_03.0118.C1
Gene No.	67105	Strand	+
Start	1	End	4323
Name	OJ991028_03.0118.C1.o3.gp	Method	AAT/GAP
Start	2235	End	2596
GI	LIB3434-030-P1-K1-F8	Score	285
Exons	2235..2298, 2388..2596		

GI Descrip. '6017117/gb|AAF01600.1|AC009895_21 7.0e-14 (AC009895) unknown protein [Arabidopsis thaliana] >gi_6091765_gb_AAF03475.1_AC009327_14 (AC009327) unknown protein [Arabidopsis thaliana]'

Seq. No.	32355	Seq. ID	OJ991028_03.0118.C1
Gene No.	67105	Strand	+
Start	1	End	4323
Name	OJ991028_03.0118.C1.o4.gp	Method	AAT/GAP
Start	2241	End	2768
GI	LIB3434-030-P1-K1-F8	Score	472
Exons	2241..2298, 2388..2533, 2667..2768		

GI Descrip. '6017117/gb|AAF01600.1|AC009895_21 7.0e-14 (AC009895) unknown protein [Arabidopsis thaliana] >gi_6091765_gb_AAF03475.1_AC009327_14 (AC009327) unknown protein [Arabidopsis thaliana]'

Seq. No.	32355	Seq. ID	OJ991028_03.0118.C1
Gene No.	67105	Strand	+
Start	1	End	4323
Name	OJ991028_03.0118.C1.o1.ts	Method	TBLASTX:Soybean
Start	2648	End	4048
GI	none	Score	125
Exons	2648..2758, 2656..2796, 3304..3426, 3327..3368, 3373..3495, 3414..3539, 3588..3698, 3596..3727, 3950..4048		

Seq. No.	32355	Seq. ID	OJ991028_03.0118.C1
Gene No.	67105	Strand	+
Start	1	End	4323
Name	OJ991028_03.0118.C1.o3.tm	Method	TBLASTX:Maize
Start	2699	End	3535
GI	none	Score	74
Exons	2699..2761, 2699..2749, 3291..3491, 3294..3518, 3295..3498, 3305..3535		

Seq. No.	32355	Seq. ID	OJ991028_03.0118.C1
Gene No.	67105	Strand	+
Start	1	End	4323
Name	OJ991028_03.0118.C1.o2.tm	Method	TBLASTX:Maize
Start	3588	End	4186
GI	none	Score	165
Exons	3588..3698, 3588..3725, 3596..3739, 3945..4124, 3946..4185, 3950..4186		

Seq. No.	32355	Seq. ID	OJ991028_03.0118.C1
Gene No.	67105	Strand	+
Start	1	End	4323
Name	OJ991028_03.0118.C1.o5.gp	Method	AAT/GAP
Start	3640	End	4323
GI	LIB3432-046-P1-K1-G4	Score	781
Exons	3640..3724, 3952..4323		

GI Descrip. '6017117/gb|AAF01600.1|AC009895_21 5.0e-11 (AC009895) unknown protein [Arabidopsis thaliana] >gi_6091765_gb_AAF03475.1 AC009327_14 (AC009327) unknown protein [Arabidopsis thaliana]'

Seq. No.	32356	Seq. ID	OJ991028_03.0118.C5

Gene No.	67106	Strand	+
Start	158	End	1510
Name	OJ991028_03.0118.C5.o1.gs	Method	GENSCAN
Start	158	End	1510
GI	none	Score	.76
Exons	158..254, 494..564, 729..894, 1497..1510		

Seq. No.	32356	Seq. ID	OJ991028_03.0118.C5
Gene No.	67107	Strand	-
Start	1719	End	2255
Name	OJ991028_03.0118.C5.o2.gs	Method	GENSCAN
Start	1719	End	2255
GI	none	Score	.69
Exons	1719..1737, 2059..2255		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67108	Strand	+
Start	67	End	488
Name	OJ991028_03.0118.C6.o1.gs	Method	GENSCAN
Start	67	End	488
GI	none	Score	.92
Exons	67..152, 474..488		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67109	Strand	+
Start	2474	End	5698
Name	OJ991028_03.0118.C6.o2.gs	Method	GENSCAN
Start	2474	End	5698
GI	none	Score	.65
Exons	2474..2522, 2769..2929, 3368..3394, 3524..3546, 3809..3852, 4092..4207, 4325..4410, 4446..4561, 4858..4915, 5152..5267, 5532..5698		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67109	Strand	+
Start	2474	End	5698
Name	OJ991028_03.0118.C6.o1.gp	Method	AAT/GAP
Start	2626	End	3145
GI	LIB3434-038-P1-K1-F1	Score	732
Exons	2626..3145		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67110	Strand	+
Start	7280	End	10582
Name	OJ991028_03.0118.C6.o1.np	Method	AAT/NAP
Start	7280	End	10579
GI	5803259	Score	5153
Exons	7280..8541, 8637..8823, 8866..10579		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67110	Strand	+
Start	7280	End	10582
Name	OJ991028_03.0118.C6.o3.gs	Method	GENSCAN
Start	7280	End	10582

GI	none	Score	.62
Exons	7280..7849, 7910..8462, 8996..9556, 9582..10431, 10468..10582		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67111	Strand	+
Start	17443	End	17712
Name	OJ991028_03.0118.C6.o3.np	Method	AAT/NAP
Start	17443	End	17712
GI	5922623	Score	79
Exons	17443..17530, 17645..17712		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67112	Strand	-
Start	10590	End	11051
Name	OJ991028_03.0118.C6.o2.gp	Method	AAT/GAP
Start	10590	End	11051
GI	2428323	Score	858
Exons	10590..11051		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o3.tw	Method	TBLASTX:Wheat
Start	2584	End	15581
GI	none	Score	74
Exons	2584..2640, 15095..15580, 15122..15316, 15126..15386, 15408..15581		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o4.gs	Method	GENSCAN
Start	11192	End	14875
GI	none	Score	.88
Exons	11192..14875		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o2.np	Method	AAT/NAP
Start	11214	End	16860
GI	6498441	Score	6792
Exons	11214..11494, 11588..12985, 13157..13465, 13658..14072, 14247..14381, 14565..14938, 15002..15465, 15796..16860		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o7.tw	Method	TBLASTX:Wheat

Start	11528	End	11824
GI	none	Score	112
Exons	11528..11824, 11541..11684, 11721..11819, 11749..11820		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o4.tw	Method	TBLASTX:Wheat
Start	11825	End	12206
GI	none	Score	164
Exons	11825..12205, 11856..12104, 12150..12206		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o2.tm	Method	TBLASTX:Maize
Start	12020	End	12343
GI	none	Score	204
Exons	12020..12343, 12033..12314		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o8.tw	Method	TBLASTX:Wheat
Start	12536	End	12848
GI	none	Score	60
Exons	12536..12796, 12750..12848		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o2.ts	Method	TBLASTX:Soybean
Start	12596	End	13162
GI	5666795	Score	59
Exons	12596..12796, 12851..12988, 13064..13162		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o5.tw	Method	TBLASTX:Wheat
Start	12851	End	13285
GI	none	Score	88
Exons	12851..13000, 12852..12989, 12854..12991, 13034..13285, 13044..13220, 13088..13285		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	13910	End	14281
GI	none	Score	90
Exons	13910..14281, 14121..14264		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646

Name	OJ991028_03.0118.C6.o2.tw	Method	TBLASTX:Wheat
Start	13940	End	14360
GI	none	Score	313
Exons	13940..14359, 13947..14360		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o3.tm	Method	TBLASTX:Maize
Start	14033	End	14417
GI	none	Score	230
Exons	14033..14416, 14052..14417		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	14444	End	14800
GI	none	Score	114
Exons	14444..14749, 14444..14800, 14454..14765		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	14468	End	14930
GI	none	Score	228
Exons	14468..14929, 14474..14929, 14475..14930		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o5.gs	Method	GENSCAN
Start	14939	End	16444
GI	none	Score	.99
Exons	14939..16444		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o6.tw	Method	TBLASTX:Wheat
Start	16319	End	16711
GI	none	Score	96
Exons	16319..16576, 16353..16592, 16559..16657, 16560..16652, 16664..16711		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646
Name	OJ991028_03.0118.C6.o4.tm	Method	TBLASTX:Maize
Start	16421	End	16705
GI	none	Score	93
Exons	16421..16669, 16422..16571, 16433..16705		

Seq. No.	32357	Seq. ID	OJ991028_03.0118.C6
Gene No.	67113	Strand	-
Start	11192	End	17646

Name	OJ991028_03.0118.C6.o6.gs	Method	GENSCAN
Start	16598	End	17646
GI	none	Score	.8
Exons	16598..17383, 17440..17646		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67114	Strand	+
Start	1649	End	4381
Name	OJ991028_03.0118.C10.o1.np	Method	AAT/NAP
Start	1634	End	4378
GI	3608152	Score	426
Exons	1634..1753, 1830..1953, 2138..2214, 2319..2397, 2481..2590, 3638..3702, 4288..4378		
GI Descrip.	(AC005314) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67114	Strand	+
Start	1649	End	4381
Name	OJ991028_03.0118.C10.o2.gs	Method	GENSCAN
Start	1649	End	4381
GI	none	Score	.81
Exons	1649..1753, 1830..1953, 2138..2245, 2481..2590, 3602..3702, 4288..4381		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67114	Strand	+
Start	1649	End	4381
Name	OJ991028_03.0118.C10.o1.gp	Method	AAT/GAP
Start	2373	End	3716
GI	uC-osflcyp089b03b1	Score	921
Exons	2373..2397, 2481..2590, 2987..3281, 3638..3716		
GI Descrip.	'3608152 4.0e-11 (AC005314) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67115	Strand	+
Start	12721	End	18802
Name	OJ991028_03.0118.C10.o4.gs	Method	GENSCAN
Start	12721	End	18802
GI	none	Score	.77
Exons	12721..12846, 13430..13517, 13613..13830, 13995..14058, 14136..14243, 14507..14608, 15262..15323, 15538..15628, 15875..15939, 16122..16316, 16404..16523, 16645..16715, 17234..17459, 17743..17793, 17873..18274, 18364..18488, 18740..18802		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67115	Strand	+
Start	12721	End	18802
Name	OJ991028_03.0118.C10.o5.np	Method	AAT/NAP
Start	13687	End	18489
GI	6651401	Score	1917
Exons	13687..13830, 13995..14058, 14136..14243, 14507..14608, 15088..15138, 15262..15323, 15538..15628, 15875..15939, 16122..16316, 16404..16523, 16645..16715, 17234..17459, 17743..17793, 17873..18274, 18364..18489		
GI Descrip.	(AF180733) dynamin-like protein 4 [Arabidopsis thaliana]		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67115	Strand	+
Start	12721	End	18802
Name	OJ991028_03.0118.C10.o3.gp	Method	AAT/GAP
Start	17873	End	18038
GI	LIB3431-047-P1-K1-E3	Score	301
Exons	17873..18038		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 6.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67116	Strand	-
Start	388	End	632
Name	OJ991028_03.0118.C10.o1.gs	Method	GENSCAN
Start	388	End	632
GI	none	Score	.49
Exons	388..550, 615..632		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67117	Strand	-
Start	4365	End	4813
Name	OJ991028_03.0118.C10.o2.gp	Method	AAT/GAP
Start	4365	End	4813
GI	none	Score	621
Exons	4365..4813		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67118	Strand	-
Start	4861	End	14167
Name	OJ991028_03.0118.C10.o2.np	Method	AAT/NAP
Start	4861	End	9516
GI	6117853	Score	1015
Exons	4861..5056, 5280..5428, 5908..6016, 6614..6798, 6903..7121, 7161..7683, 7890..7994, 8079..8147, 9090..9225, 9276..9372, 9484..9516		
GI Descrip.	(AJ002295) inositol-1,4,5-trisphosphate 5-Phosphatase [Arabidopsis thaliana]		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67118	Strand	-
Start	4861	End	14167
Name	OJ991028_03.0118.C10.o3.gs	Method	GENSCAN
Start	5949	End	12550
GI	none	Score	.43
Exons	5949..6131, 6903..7683, 7890..8044, 9103..9375, 11504..12550		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67118	Strand	-
Start	4861	End	14167
Name	OJ991028_03.0118.C10.o3.np	Method	AAT/NAP
Start	11408	End	12717
GI	3582328	Score	915
Exons	11408..12717		
GI Descrip.	(AC005496) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10

Gene No.	67118	Strand	-
Start	4861	End	14167
Name	OJ991028_03.0118.C10.o4.np	Method	AAT/NAP
Start	11408	End	14167
GI	6091764	Score	695
Exons	11408..12805, 14073..14167		
GI Descrip.	(AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o4.tm	Method	TBLASTX:Maize
Start	1661	End	4386
GI	none	Score	109
Exons	1661..1753, 1662..1754, 1694..1756, 1825..1860, 1881..1952, 1881..1952, 2136..2186, 2137..2184, 2318..2401, 2319..2396, 2320..2400, 2468..2593, 2476..2604, 2477..2605, 2481..2606, 3632..3694, 3634..3693, 4285..4386, 4286..4384, 4287..4385		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o2.tc	Method	TBLASTX:Cress
Start	4885	End	9378
GI	none	Score	124
Exons	4885..5055, 4922..5056, 5277..5438, 5279..5428, 5894..6010, 5902..6015, 5905..6000, 6586..6801, 6608..6799, 6902..7021, 6903..7040, 6903..7055, 6904..7041, 7527..7556, 7572..7682, 7579..7677, 7611..7688, 7889..7996, 9292..9372, 9322..9378		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o3.ts	Method	TBLASTX:Soybean
Start	4981	End	7229
GI	none	Score	66
Exons	4981..5055, 5009..5056, 5271..5435, 5277..5393, 5279..5428, 5894..6013, 5905..6000, 5908..6024, 6655..6801, 6656..6799, 6884..7054, 6903..7055, 6904..7035, 7147..7224, 7167..7229		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o3.tm	Method	TBLASTX:Maize
Start	6586	End	7037
GI	none	Score	95
Exons	6586..6801, 6662..6799, 6903..7016, 6903..7037, 6904..7035		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o2.ts	Method	TBLASTX:Soybean
Start	11390	End	11773
GI	none	Score	95
Exons	11390..11773, 11402..11653, 11745..11771		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10

Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o1.tc	Method	TBLASTX:Cress
Start	11405	End	11972
GI	none	Score	43
Exons	11405..11944, 11406..11444, 11535..11612, 11676..11972		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o2.tm	Method	TBLASTX:Maize
Start	11462	End	11998
GI	none	Score	372
Exons	11462..11998		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o5.ts	Method	TBLASTX:Soybean
Start	11774	End	12226
GI	none	Score	258
Exons	11774..12226		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o5.tc	Method	TBLASTX:Cress
Start	11975	End	12344
GI	none	Score	43
Exons	11975..12109, 11987..12340, 12093..12344		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o6.tm	Method	TBLASTX:Maize
Start	12089	End	12415
GI	none	Score	72
Exons	12089..12334, 12165..12311, 12338..12415		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	12101	End	12532
GI	none	Score	77
Exons	12101..12322, 12161..12271, 12165..12323, 12335..12442, 12455..12532		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o6.tc	Method	TBLASTX:Cress
Start	13662	End	17462
GI	none	Score	100
Exons	13662..13760, 13675..13761, 13764..13826, 13765..13830, 13980..14060, 13994..14059, 14134..14262, 14135..14263, 14505..14618, 14506..14607, 15086..15145, 15087..15137,		

17397..17462

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	13686	End	17826
GI	none	Score	109
Exons	13686..13763, 13687..13764, 13762..13830, 13789..13830, 13970..14059, 13980..14060, 14134..14262, 14135..14263, 14505..14603, 14506..14607, 15086..15145, 15087..15137, 15260..15322, 15261..15323, 15261..15326, 15535..15636, 15537..15638, 15873..15941, 15874..15942, 16121..16312, 16122..16316, 16401..16523, 16403..16522, 16436..16540, 16605..16715, 16644..16715, 16645..16716, 17235..17462, 17240..17476, 17257..17499, 17743..17826		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o7.tm	Method	TBLASTX:Maize
Start	13689	End	14263
GI	none	Score	95
Exons	13689..13760, 13690..13761, 13764..13826, 13765..13830, 13991..14059, 13992..14060, 14135..14182, 14185..14262, 14186..14263		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	15258	End	18483
GI	none	Score	69
Exons	15258..15323, 15511..15630, 15535..15636, 15537..15638, 15849..15941, 15872..15967, 15874..15942, 16121..16312, 16122..16316, 16149..16328, 16401..16571, 16403..16522, 16643..16696, 16644..16715, 16645..16716, 17235..17462, 17240..17476, 17743..17802, 17870..17989, 17870..17983, 17987..18043, 17992..18033, 18101..18274, 18124..18273, 18358..18483, 18384..18482		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o3.tc	Method	TBLASTX:Cress
Start	15267	End	17396
GI	none	Score	82
Exons	15267..15323, 15267..15317, 15535..15636, 15537..15638, 15849..15941, 15874..15942, 16108..16299, 16121..16315, 16122..16328, 16400..16522, 16401..16571, 16645..16716, 16656..16715, 17235..17396, 17240..17392, 17346..17396		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o4.ts	Method	TBLASTX:Soybean
Start	17870	End	18483

GI	none	Score	81
Exons	17870..17974, 17942..18034, 18098..18274, 18160..18279, 18358..18483, 18369..18479		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o4.tc	Method	TBLASTX:Cress
Start	17945	End	18509
GI	none	Score	42
Exons	17945..17989, 17986..18036, 17987..18028, 18088..18252, 18095..18274, 18361..18492, 18372..18509		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o6.np	Method	AAT/NAP
Start	20803	End	21100
GI	416731	Score	195
Exons	20803..21100		
GI Descrip.	POLLEN SPECIFIC PROTEIN C13 PRECURSOR gi|82655|pir||JQ1107 18.3K protein precursor, pollen - maize gi|255569|bbs|113677 (S44171) pollen specific protein [Zea mays=corn, Peptide, 170 aa] [Zea mays] gi|1588669|prf||2209273A Zm13 [Zea mays]		

Seq. No.	32358	Seq. ID	OJ991028_03.0118.C10
Gene No.	67119	Strand	-
Start	20803	End	21100
Name	OJ991028_03.0118.C10.o5.tm	Method	TBLASTX:Maize
Start	20914	End	21100
GI	none	Score	155
Exons	20914..21099, 20915..21100		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67120	Strand	+
Start	266	End	530
Name	OJ991028_03.0118.C11.o1.gp	Method	AAT/GAP
Start	266	End	530
GI	6025057	Score	454
Exons	266..530		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67121	Strand	-
Start	454	End	1158
Name	OJ991028_03.0118.C11.o1.gs	Method	GENSCAN
Start	454	End	1020
GI	none	Score	.92
Exons	454..800, 888..1020		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67121	Strand	-
Start	454	End	1158
Name	OJ991028_03.0118.C11.o2.gp	Method	AAT/GAP
Start	679	End	1158
GI	2311457	Score	713
Exons	679..800, 888..1158		
GI Descrip.	4104058 9.0e-16 (AF031195) blue copper-binding protein homolog		

[Triticum aestivum]

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67122	Strand	-
Start	4369	End	5977
Name	OJ991028_03.0118.C11.o3.gp	Method	AAT/GAP
Start	4271	End	4719
GI	2317523	Score	850
Exons	4271..4719		
GI Descrip.	4510406/gb|AAD21493.1| 2.0e-24 (AC006587) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67122	Strand	-
Start	4369	End	5977
Name	OJ991028_03.0118.C11.o2.gs	Method	GENSCAN
Start	4369	End	5742
GI	none	Score	.99
Exons	4369..5411, 5526..5742		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67122	Strand	-
Start	4369	End	5977
Name	OJ991028_03.0118.C11.o4.gp	Method	AAT/GAP
Start	4767	End	5234
GI	70277_1.R1084	Score	885
Exons	4767..5234		
GI Descrip.	'3367520 4.0e-31 (AC004392) Similar to protein kinase APK1A, tyrosine-serine-threonine kinase gb_D12522 from A. thaliana. [Arabidopsis thaliana]'		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67122	Strand	-
Start	4369	End	5977
Name	OJ991028_03.0118.C11.o5.gp	Method	AAT/GAP
Start	5270	End	5977
GI	none	Score	1127
Exons	5270..5411, 5526..5977		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o2.tw	Method	TBLASTX:Wheat
Start	589	End	1000
GI	none	Score	46
Exons	589..612, 589..618, 634..801, 659..802, 889..981, 890..1000		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o3.tm	Method	TBLASTX:Maize
Start	589	End	1000
GI	none	Score	46
Exons	589..612, 634..813, 656..814, 878..982, 890..1000, 892..984		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-

Start	6469	End	8839
Name	OJ991028_03.0118.C11.o3.ts	Method	TBLASTX:Soybean
Start	631	End	975
GI	none	Score	72
Exons	631..777, 880..975		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o2.tc	Method	TBLASTX:Cress
Start	4462	End	5389
GI	none	Score	98
Exons	4462..4581, 4564..4596, 4648..4725, 4765..4866, 4766..4867, 4867..5157, 4874..5131, 5140..5217, 5144..5290, 5222..5389, 5227..5367, 5267..5329		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o2.ts	Method	TBLASTX:Soybean
Start	4462	End	5358
GI	none	Score	330
Exons	4462..5157, 4556..4933, 4988..5131, 5140..5241, 5144..5290, 5245..5358, 5246..5341		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o2.tm	Method	TBLASTX:Maize
Start	4462	End	5355
GI	none	Score	473
Exons	4462..5157, 4463..5125, 5140..5217, 5141..5224, 5245..5355, 5252..5350		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	4625	End	5001
GI	none	Score	272
Exons	4625..4924, 4630..4938, 4933..5001		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o4.tw	Method	TBLASTX:Wheat
Start	5029	End	5286
GI	none	Score	101
Exons	5029..5151, 5036..5218, 5038..5217, 5236..5286, 5252..5284		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o1.np	Method	AAT/NAP
Start	6458	End	8839
GI	6730659	Score	1234
Exons	6458..7659, 7746..7866, 8811..8839		

GI Descrip. (AC007945) F28C11.9 [Arabidopsis thaliana]

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o3.gs	Method	GENSCAN
Start	6469	End	7656
GI	none	Score	.58
Exons	6469..7656		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o1.tm	Method	TBLASTX:Maize
Start	6472	End	7596
GI	none	Score	85
Exons	6472..6615, 6473..6550, 6707..6919, 6709..6918, 6937..7050, 6944..7039, 7046..7126, 7062..7232, 7062..7250, 7063..7251, 7291..7596, 7292..7585		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o1.ts	Method	TBLASTX:Soybean
Start	6472	End	7847
GI	none	Score	165
Exons	6472..6561, 6709..6918, 6716..6910, 6916..7050, 6947..7048, 7062..7250, 7072..7251, 7291..7497, 7292..7411, 7477..7665, 7496..7657, 7708..7836, 7746..7847		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o3.tc	Method	TBLASTX:Cress
Start	6472	End	6918
GI	none	Score	201
Exons	6472..6561, 6712..6918, 6716..6910		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o3.tw	Method	TBLASTX:Wheat
Start	6712	End	7115
GI	none	Score	84
Exons	6712..6912, 6716..6919, 6934..7047, 7071..7115		

Seq. No.	32359	Seq. ID	OJ991028_03.0118.C11
Gene No.	67123	Strand	-
Start	6469	End	8839
Name	OJ991028_03.0118.C11.o1.tc	Method	TBLASTX:Cress
Start	7092	End	7847
GI	none	Score	151
Exons	7092..7250, 7093..7251, 7291..7665, 7292..7423, 7466..7657, 7699..7845, 7731..7847		

Seq. No.	32360	Seq. ID	OJ991028_03.0118.C12
Gene No.	67124	Strand	+

Start	5762	End	6866
Name	OJ991028_03.0118.C12.o1.np	Method	AAT/NAP
Start	5762	End	6866
GI	6815053	Score	698
Exons	5762..5908, 6405..6580, 6630..6866		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	32360	Seq. ID	OJ991028_03.0118.C12
Gene No.	67125	Strand	-
Start	812	End	1997
Name	OJ991028_03.0118.C12.o1.gs	Method	GENSCAN
Start	812	End	1997
GI	none	Score	.79
Exons	812..1009, 1707..1997		

Seq. No.	32360	Seq. ID	OJ991028_03.0118.C12
Gene No.	67126	Strand	-
Start	3037	End	4071
Name	OJ991028_03.0118.C12.o2.gs	Method	GENSCAN
Start	3037	End	4071
GI	none	Score	.78
Exons	3037..3062, 3963..4071		

Seq. No.	32360	Seq. ID	OJ991028_03.0118.C12
Gene No.	67127	Strand	-
Start	5093	End	6577
Name	OJ991028_03.0118.C12.o3.gs	Method	GENSCAN
Start	5093	End	6577
GI	none	Score	.54
Exons	5093..5150, 5433..5568, 6002..6137, 6459..6577		

Seq. No.	32361	Seq. ID	OJ991028_03.0118.C13
Gene No.	67128	Strand	-
Start	42	End	1470
Name	OJ991028_03.0118.C13.o1.gs	Method	GENSCAN
Start	42	End	1470
GI	none	Score	.51
Exons	42..387, 1463..1470		

Seq. No.	32362	Seq. ID	OJ991028_03.0118.C14
Gene No.	67129	Strand	+
Start	1739	End	2467
Name	OJ991028_03.0118.C14.o1.gp	Method	AAT/GAP
Start	1739	End	2384
GI	33155_1.R1084	Score	852
Exons	1739..1965, 2060..2133, 2224..2384		
GI Descrip.	'4886522/emb|CAB43392.1| 2.0e-15 (AL050291) hypothetical protein [Homo sapiens]'		

Seq. No.	32362	Seq. ID	OJ991028_03.0118.C14
Gene No.	67129	Strand	+
Start	1739	End	2467
Name	OJ991028_03.0118.C14.o1.gs	Method	GENSCAN
Start	1816	End	2434
GI	none	Score	.82
Exons	1816..1965, 2060..2133, 2224..2434		

Seq. No.	32362	Seq. ID	OJ991028_03.0118.C14
Gene No.	67129	Strand	+
Start	1739	End	2467
Name	OJ991028_03.0118.C14.o2.np	Method	AAT/NAP
Start	1924	End	2467
GI	3005931	Score	264
Exons	1924..1965, 2060..2133, 2224..2467		
GI Descrip.	(AJ005016) ABC transporter [Homo sapiens]		

Seq. No.	32362	Seq. ID	OJ991028_03.0118.C14
Gene No.	67130	Strand	-
Start	1	End	255
Name	OJ991028_03.0118.C14.o1.np	Method	AAT/NAP
Start	1	End	255
GI	6721516	Score	295
Exons	1..255		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32362	Seq. ID	OJ991028_03.0118.C14
Gene No.	67131	Strand	
Start	1900	End	2434
Name	OJ991028_03.0118.C14.o1.tc	Method	TBLASTX:Cress
Start	1900	End	2434
GI	none	Score	79
Exons	1900..1968, 1908..1961, 2057..2134, 2059..2133, 2222..2434, 2222..2386		

Seq. No.	32362	Seq. ID	OJ991028_03.0118.C14
Gene No.	67131	Strand	
Start	1900	End	2434
Name	OJ991028_03.0118.C14.o1.ts	Method	TBLASTX:Soybean
Start	1900	End	2434
GI	none	Score	87
Exons	1900..1968, 2057..2134, 2221..2430, 2222..2434		

Seq. No.	32362	Seq. ID	OJ991028_03.0118.C14
Gene No.	67131	Strand	
Start	1900	End	2434
Name	OJ991028_03.0118.C14.o1.tw	Method	TBLASTX:Wheat
Start	1900	End	2370
GI	none	Score	97
Exons	1900..1968, 1902..1964, 2059..2133, 2060..2134, 2221..2370, 2222..2368, 2224..2370		

Seq. No.	32362	Seq. ID	OJ991028_03.0118.C14
Gene No.	67131	Strand	
Start	1900	End	2434
Name	OJ991028_03.0118.C14.o1.tm	Method	TBLASTX:Maize
Start	1900	End	2434
GI	none	Score	96
Exons	1900..1968, 1908..1964, 2059..2133, 2060..2134, 2221..2430, 2222..2434		

Seq. No.	32363	Seq. ID	OJ991028_03.0118.C15
Gene No.	67132	Strand	+
Start	1	End	1962
Name	OJ991028_03.0118.C15.o1.np	Method	AAT/NAP

Start	1	End	1962
GI	4886522	Score	1245
Exons	1..258, 1141..1962		
GI Descrip.	(AL050291) hypothetical protein [Homo sapiens]		

Seq. No.	32363	Seq. ID	OJ991028_03.0118.C15
Gene No.	67132	Strand	+
Start	1	End	1962
Name	OJ991028_03.0118.C15.o1.ts	Method	TBLASTX:Soybean
Start	4	End	1961
GI	none	Score	89
Exons	4..189, 21..257, 21..254, 86..256, 93..257, 1139..1960, 1140..1961		

Seq. No.	32363	Seq. ID	OJ991028_03.0118.C15
Gene No.	67132	Strand	+
Start	1	End	1962
Name	OJ991028_03.0118.C15.o2.tc	Method	TBLASTX:Cress
Start	15	End	1322
GI	none	Score	81
Exons	15..83, 1139..1321, 1140..1322		

Seq. No.	32363	Seq. ID	OJ991028_03.0118.C15
Gene No.	67132	Strand	+
Start	1	End	1962
Name	OJ991028_03.0118.C15.o1.tm	Method	TBLASTX:Maize
Start	21	End	1961
GI	none	Score	367
Exons	21..257, 86..256, 87..257, 95..259, 265..288, 1138..1947, 1139..1630, 1139..1960, 1140..1961, 1140..1289		

Seq. No.	32363	Seq. ID	OJ991028_03.0118.C15
Gene No.	67132	Strand	+
Start	1	End	1962
Name	OJ991028_03.0118.C15.o2.tw	Method	TBLASTX:Wheat
Start	30	End	1181
GI	none	Score	134
Exons	30..176, 30..149, 31..153, 83..175, 128..256, 150..257, 163..303, 1140..1181		

Seq. No.	32363	Seq. ID	OJ991028_03.0118.C15
Gene No.	67132	Strand	+
Start	1	End	1962
Name	OJ991028_03.0118.C15.o1.gs	Method	GENSCAN
Start	70	End	1886
GI	none	Score	.6
Exons	70..258, 1141..1886		

Seq. No.	32363	Seq. ID	OJ991028_03.0118.C15
Gene No.	67132	Strand	+
Start	1	End	1962
Name	OJ991028_03.0118.C15.o1.tc	Method	TBLASTX:Cress
Start	87	End	1961
GI	none	Score	87
Exons	87..257, 1431..1667, 1433..1681, 1459..1668, 1653..1766, 1664..1951, 1664..1960, 1665..1961		

Seq. No.	32363	Seq. ID	OJ991028_03.0118.C15
Gene No.	67132	Strand	+
Start	1	End	1962
Name	OJ991028_03.0118.C15.o1.tw	Method	TBLASTX:Wheat
Start	1184	End	1820
GI	none	Score	963
Exons	1184..1819, 1185..1820		

Seq. No.	32363	Seq. ID	OJ991028_03.0118.C15
Gene No.	67132	Strand	+
Start	1	End	1962
Name	OJ991028_03.0118.C15.o1.gp	Method	AAT/GAP
Start	1668	End	1935
GI	uC-osf1M202097h08b1	Score	520
Exons	1668..1935		
GI Descrip.	'3005931/emb|CAA06290| 4.0e-27 (AJ005016) ABC transporter [Homo sapiens]'		

Seq. No.	32363	Seq. ID	OJ991028_03.0118.C15
Gene No.	67132	Strand	+
Start	1	End	1962
Name	OJ991028_03.0118.C15.o3.tw	Method	TBLASTX:Wheat
Start	1820	End	1962
GI	none	Score	223
Exons	1820..1960, 1821..1961, 1824..1961, 1858..1962		

Seq. No.	32364	Seq. ID	OJ991028_03.0118.C16
Gene No.	67133	Strand	-
Start	15	End	1824
Name	OJ991028_03.0118.C16.o1.gs	Method	GENSCAN
Start	15	End	1824
GI	none	Score	.75
Exons	15..176, 1720..1824		

Seq. No.	32364	Seq. ID	OJ991028_03.0118.C16
Gene No.	67133	Strand	-
Start	15	End	1824
Name	OJ991028_03.0118.C16.o1.gp	Method	AAT/GAP
Start	163	End	649
GI	37029_1.R1084	Score	910
Exons	163..649		
GI Descrip.	'5714761/gb|AF173881.1|AF173881 6.0e-19 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-4 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	32365	Seq. ID	OJ991028_03.0118.C17
Gene No.	67134	Strand	+
Start	1	End	578
Name	OJ991028_03.0118.C17.o1.np	Method	AAT/NAP
Start	1	End	578
GI	5803259	Score	923
Exons	1..578		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	32365	Seq. ID	OJ991028_03.0118.C17
Gene No.	67135	Strand	-
Start	50	End	599

Name	OJ991028_03.0118.C17.o1.gs	Method	GENSCAN
Start	50	End	599
GI	none	Score	.49
Exons	50..155, 315..599		

Seq. No.	32366	Seq. ID	OJ991028_03.0118.C18
Gene No.	67136	Strand	+
Start	1	End	830
Name	OJ991028_03.0118.C18.o1.np	Method	AAT/NAP
Start	1	End	619
GI	5803259	Score	846
Exons	1..619		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	32366	Seq. ID	OJ991028_03.0118.C18
Gene No.	67136	Strand	+
Start	1	End	830
Name	OJ991028_03.0118.C18.o1.gs	Method	GENSCAN
Start	84	End	830
GI	none	Score	.42
Exons	84..477, 482..563, 744..830		

Seq. No.	32367	Seq. ID	OJ991108_05.0126.C2
Gene No.	67137	Strand	+
Start	92	End	247
Name	OJ991108_05.0126.C2.o1.gs	Method	GENSCAN
Start	92	End	247
GI	none	Score	.73
Exons	92..247		

Seq. No.	32367	Seq. ID	OJ991108_05.0126.C2
Gene No.	67138	Strand	-
Start	445	End	577
Name	OJ991108_05.0126.C2.o2.gs	Method	GENSCAN
Start	445	End	577
GI	none	Score	.62
Exons	445..577		

Seq. No.	32368	Seq. ID	OJ991108_05.0126.C3
Gene No.	67139	Strand	+
Start	1	End	697
Name	OJ991108_05.0126.C3.o1.np	Method	AAT/NAP
Start	1	End	697
GI	2653671	Score	75
Exons	1..37, 332..697		
GI Descrip.	(U88587) 120 kDa style glycoprotein [Nicotiana alata]		

Seq. No.	32368	Seq. ID	OJ991108_05.0126.C3
Gene No.	67140	Strand	-
Start	468	End	556
Name	OJ991108_05.0126.C3.o1.gs	Method	GENSCAN
Start	468	End	556
GI	none	Score	.95
Exons	468..556		

Seq. No.	32369	Seq. ID	OJ991108_05.0126.C5
Gene No.	67141	Strand	-

Start	1	End	4404
Name	OJ991108_05.0126.C5.o1.np	Method	AAT/NAP
Start	1	End	4404
GI	4454011	Score	562
Exons	1..239, 621..693, 779..916, 1005..1227, 1717..1822, 2043..2139, 3691..3812, 3890..3992, 4363..4404		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	32369	Seq. ID	OJ991108_05.0126.C5
Gene No.	67141	Strand	-
Start	1	End	4404
Name	OJ991108_05.0126.C5.o1.tm	Method	TBLASTX:Maize
Start	625	End	1854
GI	none	Score	112
Exons	625..693, 626..694, 779..922, 779..922, 832..981, 969..1166, 996..1166, 1006..1167, 1006..1182, 1007..1171, 1715..1825, 1716..1826, 1717..1827, 1717..1854		

Seq. No.	32369	Seq. ID	OJ991108_05.0126.C5
Gene No.	67141	Strand	-
Start	1	End	4404
Name	OJ991108_05.0126.C5.o1.ts	Method	TBLASTX:Soybean
Start	625	End	3979
GI	none	Score	95
Exons	625..690, 779..922, 961..1170, 1005..1172, 1751..1909, 1785..1826, 2037..2138, 3690..3818, 3691..3825, 3697..3816, 3887..3979, 3935..3979		

Seq. No.	32369	Seq. ID	OJ991108_05.0126.C5
Gene No.	67141	Strand	-
Start	1	End	4404
Name	OJ991108_05.0126.C5.o1.gs	Method	GENSCAN
Start	779	End	4399
GI	none	Score	.66
Exons	779..916, 1005..1162, 1717..1822, 2043..2139, 3691..3812, 4334..4399		

Seq. No.	32369	Seq. ID	OJ991108_05.0126.C5
Gene No.	67141	Strand	-
Start	1	End	4404
Name	OJ991108_05.0126.C5.o2.tm	Method	TBLASTX:Maize
Start	2088	End	3993
GI	none	Score	172
Exons	2088..2132, 3679..3828, 3690..3818, 3889..3918, 3922..3993, 3924..3977		

Seq. No.	32369	Seq. ID	OJ991108_05.0126.C5
Gene No.	67141	Strand	-
Start	1	End	4404
Name	OJ991108_05.0126.C5.o3.tm	Method	TBLASTX:Maize
Start	2677	End	3284
GI	none	Score	125
Exons	2677..2829, 2681..2824, 3195..3284		

Seq. No.	32370	Seq. ID	OJ991108_05.0126.C6
Gene No.	67142	Strand	+
Start	8539	End	13264

Name	OJ991108_05.0126.C6.o2.np	Method	AAT/NAP
Start	8539	End	13238
GI	4539658	Score	150
Exons	8539..8574, 9987..10112, 10215..10358, 13204..13238		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	32370	Seq. ID	OJ991108_05.0126.C6
Gene No.	67142	Strand	+
Start	8539	End	13264
Name	OJ991108_05.0126.C6.o3.np	Method	AAT/NAP
Start	9979	End	13264
GI	4539658	Score	146
Exons	9979..10112, 10215..10358, 13245..13264		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	32370	Seq. ID	OJ991108_05.0126.C6
Gene No.	67143	Strand	-
Start	1	End	2200
Name	OJ991108_05.0126.C6.o1.np	Method	AAT/NAP
Start	1	End	2021
GI	4454011	Score	111
Exons	1..19, 297..403, 1794..2021		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	32370	Seq. ID	OJ991108_05.0126.C6
Gene No.	67143	Strand	-
Start	1	End	2200
Name	OJ991108_05.0126.C6.o1.gp	Method	AAT/GAP
Start	1886	End	2200
GI	26826_1.R1084	Score	555
Exons	1886..2200		
GI Descrip.	'1945282/emb|Y11351|OSMYB1402 2.0e-15 O.sativa mRNA for myb factor, 1402 bp'		

Seq. No.	32371	Seq. ID	OJ991108_05.0126.C7
Gene No.	67144	Strand	+
Start	685	End	4237
Name	OJ991108_05.0126.C7.o1.tm	Method	TBLASTX:Maize
Start	667	End	1033
GI	none	Score	102
Exons	667..786, 685..789, 702..791, 905..1033, 913..1032		

Seq. No.	32371	Seq. ID	OJ991108_05.0126.C7
Gene No.	67144	Strand	+
Start	685	End	4237
Name	OJ991108_05.0126.C7.o1.gs	Method	GENSCAN
Start	685	End	4237
GI	none	Score	.96
Exons	685..790, 909..1033, 1495..1610, 1685..1778, 3403..3432, 3504..3617, 4160..4237		

Seq. No.	32371	Seq. ID	OJ991108_05.0126.C7
Gene No.	67144	Strand	+
Start	685	End	4237
Name	OJ991108_05.0126.C7.o2.tm	Method	TBLASTX:Maize

Start	1698	End	3620
GI	none	Score	61
Exons	1698..1769, 1704..1778, 1706..1777, 1882..1947, 1883..1948, 1884..1949, 2916..3026, 2922..3026, 2923..3030, 3400..3432, 3402..3434, 3502..3606, 3503..3616, 3503..3616, 3504..3620		

Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67145	Strand	+
Start	149	End	11758
Name	OJ991108_05.0126.C8.o1.gs	Method	GENSCAN
Start	149	End	10484
GI	none	Score	.52
Exons	149..196, 249..379, 447..680, 1112..1154, 1216..1375, 1582..1636, 2078..2153, 4103..4202, 5404..5650, 5697..5959, 6050..6179, 6564..6579, 6626..6699, 10016..10130, 10143..10292, 10368..10484		

Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67145	Strand	+
Start	149	End	11758
Name	OJ991108_05.0126.C8.o1.gp	Method	AAT/GAP
Start	5530	End	5965
GI	3761372	Score	814
Exons	5530..5965		
GI Descrip.	1945282/emb|Y11351|OSMYB1402 2.0e-15 O.sativa mRNA for myb factor, 1402 bp		

Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67145	Strand	+
Start	149	End	11758
Name	OJ991108_05.0126.C8.o1.np	Method	AAT/NAP
Start	5828	End	8251
GI	5823335	Score	360
Exons	5828..5963, 6057..6179, 7356..7433, 8233..8251		
GI Descrip.	(AF176001) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67145	Strand	+
Start	149	End	11758
Name	OJ991108_05.0126.C8.o2.np	Method	AAT/NAP
Start	6626	End	7261
GI	6714302	Score	96
Exons	6626..6713, 7189..7261		
GI Descrip.	(AC013354) F15H18.8 [Arabidopsis thaliana]		

Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67145	Strand	+
Start	149	End	11758
Name	OJ991108_05.0126.C8.o2.gp	Method	AAT/GAP
Start	6865	End	7616
GI	LIB3432-013-P1-K1-E3	Score	844
Exons	6865..7257, 7536..7616		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986 pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67145	Strand	+
Start	149	End	11758
Name	OJ991108_05.0126.C8.o4.np	Method	AAT/NAP
Start	8436	End	11758
GI	6721512	Score	105
Exons	8436..8482, 10035..10142, 10170..10336, 11723..11758		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67145	Strand	+
Start	149	End	11758
Name	OJ991108_05.0126.C8.o4.gp	Method	AAT/GAP
Start	11094	End	11490
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	11094..11169, 11466..11490		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67146	Strand	-
Start	5446	End	7637
Name	OJ991108_05.0126.C8.o3.np	Method	AAT/NAP
Start	5446	End	7637
GI	133446	Score	460
Exons	5446..5518, 7304..7637		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66986|pir||RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi|11973|emb|CAA33988| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67147	Strand	-
Start	7922	End	8418
Name	OJ991108_05.0126.C8.o1.ts	Method	TBLASTX:Soybean
Start	5778	End	6182
GI	none	Score	59
Exons	5778..5960, 5828..5854, 5860..5973, 6048..6173, 6049..6180, 6060..6182		

Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67147	Strand	-
Start	7922	End	8418
Name	OJ991108_05.0126.C8.o1.tm	Method	TBLASTX:Maize
Start	5806	End	6182
GI	none	Score	71
Exons	5806..5871, 5807..5857, 5851..5958, 5859..5972, 5860..5973, 6048..6182, 6049..6180		

Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67147	Strand	-
Start	7922	End	8418
Name	OJ991108_05.0126.C8.o1.tc	Method	TBLASTX:Cress
Start	5821	End	6182
GI	none	Score	50

Exons	5821..5871, 5828..5854, 5851..5973, 5853..5963, 6048..6182, 6049..6180		
Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67147	Strand	-
Start	7922	End	8418
Name	OJ991108_05.0126.C8.o1.tw	Method	TBLASTX:Wheat
Start	5827	End	6881
GI	none	Score	137
Exons	5827..5871, 5830..5973, 5868..5960, 6033..6176, 6045..6182, 6046..6180, 6725..6781, 6846..6881		
Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67147	Strand	-
Start	7922	End	8418
Name	OJ991108_05.0126.C8.o2.tc	Method	TBLASTX:Cress
Start	7343	End	7599
GI	none	Score	160
Exons	7343..7558, 7345..7599, 7352..7534		
Seq. No.	32372	Seq. ID	OJ991108_05.0126.C8
Gene No.	67147	Strand	-
Start	7922	End	8418
Name	OJ991108_05.0126.C8.o3.gp	Method	AAT/GAP
Start	7922	End	8418
GI	none	Score	956
Exons	7922..8418		
Seq. No.	32373	Seq. ID	OJ991108_05.0126.C9
Gene No.	67148	Strand	-
Start	56	End	258
Name	OJ991108_05.0126.C9.o1.gs	Method	GENSCAN
Start	56	End	258
GI	none	Score	.61
Exons	56..258		
Seq. No.	32373	Seq. ID	OJ991108_05.0126.C9
Gene No.	67149	Strand	-
Start	2505	End	5507
Name	OJ991108_05.0126.C9.o1.np	Method	AAT/NAP
Start	1963	End	5507
GI	1709814	Score	41
Exons	1963..1985, 3991..4089, 5464..5507		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A1 gi|2147916|pir||S73205 photosystem I p700 chlorophyll A apoprotein A1 - Porphyra purpurea chloroplast gi|1276750 (U38804) Photosystem I p700 chlorophyll A apoprotein A1 [Porphyra purpurea]		
Seq. No.	32373	Seq. ID	OJ991108_05.0126.C9
Gene No.	67149	Strand	-
Start	2505	End	5507
Name	OJ991108_05.0126.C9.o2.gs	Method	GENSCAN
Start	2505	End	3635
GI	none	Score	.42
Exons	2505..2671, 2716..2844, 3587..3635		

Seq. No.	32373	Seq. ID	OJ991108_05.0126.C9
Gene No.	67149	Strand	-
Start	2505	End	5507
Name	OJ991108_05.0126.C9.o3.gs	Method	GENSCAN
Start	4600	End	5251
GI	none	Score	.88
Exons	4600..4805, 5230..5251		

Seq. No.	32374	Seq. ID	OJ991108_05.0126.C10
Gene No.	67150	Strand	+
Start	12616	End	15878
Name	OJ991108_05.0126.C10.o2.gs	Method	GENSCAN
Start	12616	End	13998
GI	none	Score	.72
Exons	12616..12698, 13112..13317, 13580..13998		

Seq. No.	32374	Seq. ID	OJ991108_05.0126.C10
Gene No.	67150	Strand	+
Start	12616	End	15878
Name	OJ991108_05.0126.C10.o2.np	Method	AAT/NAP
Start	13075	End	15878
GI	6689616	Score	198
Exons	13075..13239, 13576..14070, 15859..15878		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	32374	Seq. ID	OJ991108_05.0126.C10
Gene No.	67151	Strand	-
Start	46	End	10408
Name	OJ991108_05.0126.C10.o1.np	Method	AAT/NAP
Start	46	End	9333
GI	3892712	Score	524
Exons	46..157, 894..1043, 3634..3726, 8017..8127, 9249..9333		
GI Descrip.	(AL033545) adenine phosphoribosyltransferase (EC 2.4.2.7)-like protein [Arabidopsis thaliana]		

Seq. No.	32374	Seq. ID	OJ991108_05.0126.C10
Gene No.	67151	Strand	-
Start	46	End	10408
Name	OJ991108_05.0126.C10.o1.gs	Method	GENSCAN
Start	99	End	10408
GI	none	Score	.7
Exons	99..157, 894..1043, 3634..3726, 8017..8127, 9249..9375, 10406..10408		

Seq. No.	32374	Seq. ID	OJ991108_05.0126.C10
Gene No.	67151	Strand	-
Start	46	End	10408
Name	OJ991108_05.0126.C10.o1.gp	Method	AAT/GAP
Start	4959	End	8445
GI	LIB3477-003-P1-K1-E9	Score	118
Exons	4959..5017, 8412..8445		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32374	Seq. ID	OJ991108_05.0126.C10
Gene No.	67152	Strand	-

Start	21497	End	21892
Name	OJ991108_05.0126.C10.o1.tc	Method	TBLASTX:Cress
Start	99	End	9321
GI	none	Score	134
Exons	99..158, 895..1044, 3621..3731, 3632..3730, 8015..8128, 8016..8129, 9247..9321, 9248..9319		

Seq. No.	32374	Seq. ID	OJ991108_05.0126.C10
Gene No.	67152	Strand	-
Start	21497	End	21892
Name	OJ991108_05.0126.C10.o2.tm	Method	TBLASTX:Maize
Start	99	End	9309
GI	none	Score	81
Exons	99..158, 895..1044, 904..1041, 971..1081, 3621..3731, 3632..3730, 9247..9309		

Seq. No.	32374	Seq. ID	OJ991108_05.0126.C10
Gene No.	67152	Strand	-
Start	21497	End	21892
Name	OJ991108_05.0126.C10.o1.ts	Method	TBLASTX:Soybean
Start	99	End	9312
GI	none	Score	84
Exons	99..158, 895..1044, 896..1057, 3621..3731, 3632..3730, 3650..3739, 8013..8129, 8015..8131, 9247..9312		

Seq. No.	32374	Seq. ID	OJ991108_05.0126.C10
Gene No.	67152	Strand	-
Start	21497	End	21892
Name	OJ991108_05.0126.C10.o1.tw	Method	TBLASTX:Wheat
Start	99	End	3724
GI	none	Score	71
Exons	99..158, 895..1044, 905..1045, 3621..3722, 3632..3724		

Seq. No.	32374	Seq. ID	OJ991108_05.0126.C10
Gene No.	67152	Strand	-
Start	21497	End	21892
Name	OJ991108_05.0126.C10.o1.tm	Method	TBLASTX:Maize
Start	13578	End	13865
GI	none	Score	51
Exons	13578..13610, 13579..13611, 13635..13736, 13644..13724, 13667..13729, 13725..13865, 13727..13864		

Seq. No.	32374	Seq. ID	OJ991108_05.0126.C10
Gene No.	67152	Strand	-
Start	21497	End	21892
Name	OJ991108_05.0126.C10.o4.gs	Method	GENSCAN
Start	21497	End	21892
GI	none	Score	.98
Exons	21497..21892		

Seq. No.	32375	Seq. ID	OJ991108_05.0126.C11
Gene No.	67153	Strand	+
Start	453	End	3273
Name	OJ991108_05.0126.C11.o1.np	Method	AAT/NAP
Start	453	End	3273
GI	2944178	Score	650
Exons	453..474, 1975..2122, 2211..2282, 2394..2522, 2639..2695,		

	2765..2866, 2973..3050, 3120..3273		
GI Descrip.	(AF007778) trehalose-6-phosphate phosphatase [Arabidopsis thaliana]		

Seq. No.	32375	Seq. ID	OJ991108_05.0126.C11
Gene No.	67153	Strand	+
Start	453	End	3273
Name	OJ991108_05.0126.C11.o1.gs	Method	GENSCAN
Start	1685	End	3260
GI	none	Score	.8
Exons	1685..1888, 1982..2122, 2394..2522, 2639..2695, 2765..2866, 2973..3050, 3120..3260		

Seq. No.	32375	Seq. ID	OJ991108_05.0126.C11
Gene No.	67153	Strand	+
Start	453	End	3273
Name	OJ991108_05.0126.C11.o1.tc	Method	TBLASTX:Cress
Start	1966	End	3263
GI	none	Score	175
Exons	1966..2115, 1976..2116, 2009..2125, 2190..2288, 2204..2299, 2391..2459, 2393..2470, 2394..2471, 2639..2698, 2764..2865, 2777..2866, 2970..3056, 3117..3263, 3119..3262		

Seq. No.	32375	Seq. ID	OJ991108_05.0126.C11
Gene No.	67153	Strand	+
Start	453	End	3273
Name	OJ991108_05.0126.C11.o2.tm	Method	TBLASTX:Maize
Start	1966	End	2423
GI	none	Score	167
Exons	1966..2118, 1982..2125, 2018..2125, 2208..2300, 2210..2284, 2394..2423		

Seq. No.	32375	Seq. ID	OJ991108_05.0126.C11
Gene No.	67153	Strand	+
Start	453	End	3273
Name	OJ991108_05.0126.C11.o1.tw	Method	TBLASTX:Wheat
Start	1984	End	2432
GI	none	Score	163
Exons	1984..2112, 1985..2119, 2009..2125, 2210..2299, 2211..2282, 2394..2432		

Seq. No.	32375	Seq. ID	OJ991108_05.0126.C11
Gene No.	67153	Strand	+
Start	453	End	3273
Name	OJ991108_05.0126.C11.o2.ts	Method	TBLASTX:Soybean
Start	1985	End	2470
GI	none	Score	157
Exons	1985..2125, 1987..2118, 2211..2288, 2222..2284, 2393..2452, 2394..2462, 2402..2470		

Seq. No.	32375	Seq. ID	OJ991108_05.0126.C11
Gene No.	67153	Strand	+
Start	453	End	3273
Name	OJ991108_05.0126.C11.o1.tm	Method	TBLASTX:Maize
Start	2424	End	3267
GI	none	Score	62
Exons	2424..2474, 2764..2868, 2765..2866, 2796..2873, 2970..3056,		

3044..3262, 3118..3267, 3120..3263

Seq. No.	32375	Seq. ID	OJ991108_05.0126.C11
Gene No.	67153	Strand	+
Start	453	End	3273
Name	OJ991108_05.0126.C11.o1.ts	Method	TBLASTX:Soybean
Start	2813	End	3259
GI	none	Score	88
Exons	2813..2866, 2815..2865, 2964..3056, 2972..3052, 3117..3251, 3119..3259		

Seq. No.	32375	Seq. ID	OJ991108_05.0126.C11
Gene No.	67153	Strand	+
Start	453	End	3273
Name	OJ991108_05.0126.C11.o2.tw	Method	TBLASTX:Wheat
Start	2985	End	3263
GI	none	Score	58
Exons	2985..3053, 3119..3262, 3120..3263		

Seq. No.	32376	Seq. ID	OJ991108_05.0126.C12
Gene No.	67154	Strand	-
Start	704	End	2279
Name	OJ991108_05.0126.C12.o1.gp	Method	AAT/GAP
Start	472	End	1003
GI	uC-osflcyp029g09b1	Score	1022
Exons	472..1003		
GI Descrip.	'722377 9.0e-30 (U23139) highly similar to beta-ureidopropionase (SP:BUP_RAT) [Caenorhabditis elegans]'		

Seq. No.	32376	Seq. ID	OJ991108_05.0126.C12
Gene No.	67154	Strand	-
Start	704	End	2279
Name	OJ991108_05.0126.C12.o1.tw	Method	TBLASTX:Wheat
Start	689	End	1263
GI	none	Score	496
Exons	689..1069, 690..1037, 703..1089, 1199..1249, 1204..1260, 1210..1263		

Seq. No.	32376	Seq. ID	OJ991108_05.0126.C12
Gene No.	67154	Strand	-
Start	704	End	2279
Name	OJ991108_05.0126.C12.o2.tc	Method	TBLASTX:Cress
Start	691	End	976
GI	none	Score	126
Exons	691..855, 696..878, 707..880, 884..976, 885..974, 902..976		

Seq. No.	32376	Seq. ID	OJ991108_05.0126.C12
Gene No.	67154	Strand	-
Start	704	End	2279
Name	OJ991108_05.0126.C12.o1.gs	Method	GENSCAN
Start	704	End	2211
GI	none	Score	.82
Exons	704..1066, 1216..1440, 1516..1743, 2023..2211		

Seq. No.	32376	Seq. ID	OJ991108_05.0126.C12
Gene No.	67154	Strand	-
Start	704	End	2279

Name	OJ991108_05.0126.C12.o1.np	Method	AAT/NAP
Start	728	End	2279
GI	6288771	Score	1032
Exons	728..1066, 1216..1440, 1516..1743, 2023..2279		
GI Descrip.	(AF163312) beta-ureidopropionase [Homo sapiens] gi|6635205|dbj|BAA88634.1| (AB013885) beta-ureidopropionase [Homo sapiens]		

Seq. No.	32376	Seq. ID	OJ991108_05.0126.C12
Gene No.	67154	Strand	-
Start	704	End	2279
Name	OJ991108_05.0126.C12.o1.ts	Method	TBLASTX:Soybean
Start	773	End	1636
GI	none	Score	252
Exons	773..1069, 774..1037, 803..1069, 1210..1440, 1214..1441, 1217..1441, 1516..1635, 1517..1636, 1530..1631, 1555..1635		

Seq. No.	32376	Seq. ID	OJ991108_05.0126.C12
Gene No.	67154	Strand	-
Start	704	End	2279
Name	OJ991108_05.0126.C12.o1.tm	Method	TBLASTX:Maize
Start	911	End	1605
GI	none	Score	194
Exons	911..1069, 912..1037, 1199..1441, 1210..1440, 1215..1442, 1215..1442, 1216..1443, 1517..1540, 1555..1605, 1556..1603		

Seq. No.	32376	Seq. ID	OJ991108_05.0126.C12
Gene No.	67154	Strand	-
Start	704	End	2279
Name	OJ991108_05.0126.C12.o1.tc	Method	TBLASTX:Cress
Start	1370	End	2224
GI	none	Score	77
Exons	1370..1441, 1372..1440, 1520..1744, 1520..1747, 1555..1749, 2021..2224, 2021..2191, 2023..2223		

Seq. No.	32376	Seq. ID	OJ991108_05.0126.C12
Gene No.	67154	Strand	-
Start	704	End	2279
Name	OJ991108_05.0126.C12.o2.tm	Method	TBLASTX:Maize
Start	1661	End	2226
GI	none	Score	134
Exons	1661..1744, 1661..1741, 1663..1746, 1663..1749, 2021..2224, 2023..2226		

Seq. No.	32376	Seq. ID	OJ991108_05.0126.C12
Gene No.	67154	Strand	-
Start	704	End	2279
Name	OJ991108_05.0126.C12.o2.ts	Method	TBLASTX:Soybean
Start	2021	End	2224
GI	none	Score	195
Exons	2021..2224, 2023..2223		

Seq. No.	32377	Seq. ID	OJ991108_05.0126.C14
Gene No.	67155	Strand	+
Start	318	End	1727
Name	OJ991108_05.0126.C14.o1.gs	Method	GENSCAN
Start	318	End	1727

GI	none	Score	.62
Exons	318..408, 1442..1727		

Seq. No.	32378	Seq. ID	OJ991108_05.0126.C15
Gene No.	67156	Strand	+
Start	1	End	2424
Name	OJ991108_05.0126.C15.o1.np	Method	AAT/NAP
Start	1	End	2424
GI	2130141	Score	836
Exons	1..67, 612..872, 937..2424		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	32378	Seq. ID	OJ991108_05.0126.C15
Gene No.	67156	Strand	+
Start	1	End	2424
Name	OJ991108_05.0126.C15.o1.gs	Method	GENSCAN
Start	156	End	2054
GI	none	Score	.65
Exons	156..469, 722..872, 946..1555, 1639..2054		

Seq. No.	32378	Seq. ID	OJ991108_05.0126.C15
Gene No.	67157	Strand	-
Start	3715	End	4297
Name	OJ991108_05.0126.C15.o2.tm	Method	TBLASTX:Maize
Start	928	End	1311
GI	none	Score	261
Exons	928..1311, 1002..1310		

Seq. No.	32378	Seq. ID	OJ991108_05.0126.C15
Gene No.	67157	Strand	-
Start	3715	End	4297
Name	OJ991108_05.0126.C15.o1.tm	Method	TBLASTX:Maize
Start	1315	End	1901
GI	none	Score	301
Exons	1315..1560, 1320..1565, 1559..1612, 1560..1610, 1626..1901, 1685..1888		

Seq. No.	32378	Seq. ID	OJ991108_05.0126.C15
Gene No.	67157	Strand	-
Start	3715	End	4297
Name	OJ991108_05.0126.C15.o2.gs	Method	GENSCAN
Start	3715	End	4297
GI	none	Score	.63
Exons	3715..3873, 4091..4297		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67158	Strand	+
Start	84	End	5702
Name	OJ991108_05.0126.C16.o1.gs	Method	GENSCAN
Start	84	End	5702
GI	none	Score	.72
Exons	84..787, 880..1846, 1861..2908, 3184..3843, 4033..5702		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67158	Strand	+
Start	84	End	5702

Name	OJ991108_05.0126.C16.o1.tw	Method	TBLASTX:Wheat
Start	3261	End	3611
GI	none	Score	156
Exons	3261..3407, 3263..3373, 3316..3387, 3387..3611, 3409..3576, 3428..3610		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67158	Strand	+
Start	84	End	5702
Name	OJ991108_05.0126.C16.o2.tw	Method	TBLASTX:Wheat
Start	3834	End	4244
GI	none	Score	360
Exons	3834..4244, 3834..4112, 3992..4228		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67158	Strand	+
Start	84	End	5702
Name	OJ991108_05.0126.C16.o4.tm	Method	TBLASTX:Maize
Start	4251	End	4436
GI	none	Score	208
Exons	4251..4436, 4259..4423		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67158	Strand	+
Start	84	End	5702
Name	OJ991108_05.0126.C16.o1.tm	Method	TBLASTX:Maize
Start	4521	End	5483
GI	none	Score	760
Exons	4521..5483, 4535..4855, 4877..5482		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67158	Strand	+
Start	84	End	5702
Name	OJ991108_05.0126.C16.o3.tw	Method	TBLASTX:Wheat
Start	4568	End	4903
GI	none	Score	328
Exons	4568..4903, 4572..4883		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67158	Strand	+
Start	84	End	5702
Name	OJ991108_05.0126.C16.o1.ts	Method	TBLASTX:Soybean
Start	5088	End	5615
GI	none	Score	157
Exons	5088..5441, 5333..5440, 5430..5615, 5450..5587		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67158	Strand	+
Start	84	End	5702
Name	OJ991108_05.0126.C16.o5.tw	Method	TBLASTX:Wheat
Start	5339	End	5600
GI	none	Score	216
Exons	5339..5587, 5361..5600		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67158	Strand	+
Start	84	End	5702

Name	OJ991108_05.0126.C16.o5.tm	Method	TBLASTX:Maize
Start	5484	End	5645
GI	none	Score	184
Exons	5484..5645, 5486..5623, 5496..5633		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67159	Strand	
Start	5688	End	6251
Name	OJ991108_05.0126.C16.o2.tm	Method	TBLASTX:Maize
Start	5688	End	6158
GI	none	Score	327
Exons	5688..6059, 5703..5912, 5711..5947, 5990..6058, 6066..6158		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67159	Strand	
Start	5688	End	6251
Name	OJ991108_05.0126.C16.o4.tw	Method	TBLASTX:Wheat
Start	5889	End	6251
GI	none	Score	312
Exons	5889..6251, 6084..6227		

Seq. No.	32379	Seq. ID	OJ991108_05.0126.C16
Gene No.	67160	Strand	
Start	6329	End	6587
Name	OJ991108_05.0126.C16.o3.tm	Method	TBLASTX:Maize
Start	6329	End	6587
GI	none	Score	223
Exons	6329..6475, 6330..6587		

Seq. No.	32380	Seq. ID	OJ991108_05.0126.C17
Gene No.	67161	Strand	+
Start	1	End	3450
Name	OJ991108_05.0126.C17.o1.np	Method	AAT/NAP
Start	1	End	3450
GI	2245089	Score	553
Exons	1..208, 1211..1289, 1568..1662, 2174..2287, 2882..3030, 3426..3450		
GI Descrip.	(Z97343) asparagine--tRNA ligase like protein [Arabidopsis thaliana]		

Seq. No.	32380	Seq. ID	OJ991108_05.0126.C17
Gene No.	67161	Strand	+
Start	1	End	3450
Name	OJ991108_05.0126.C17.o1.tc	Method	TBLASTX:Cress
Start	59	End	3031
GI	none	Score	164
Exons	59..211, 1208..1294, 1208..1282, 1215..1292, 1569..1652, 1570..1665, 2198..2287, 2206..2289, 2209..2274, 2873..3022, 2881..3009, 2881..3030, 2882..3031		

Seq. No.	32380	Seq. ID	OJ991108_05.0126.C17
Gene No.	67161	Strand	+
Start	1	End	3450
Name	OJ991108_05.0126.C17.o1.gs	Method	GENSCAN
Start	1238	End	3019
GI	none	Score	.56
Exons	1238..1279, 2882..3019		

Seq. No.	32380	Seq. ID	OJ991108_05.0126.C17
Gene No.	67161	Strand	+
Start	1	End	3450
Name	OJ991108_05.0126.C17.o1.tm	Method	TBLASTX:Maize
Start	1561	End	3034
GI	none	Score	137
Exons	1561..1659, 1563..1652, 2179..2283, 2179..2289, 2180..2287, 2180..2290, 2873..3019, 2874..3005, 2875..3012, 2881..3021, 2882..3034		

Seq. No.	32380	Seq. ID	OJ991108_05.0126.C17
Gene No.	67161	Strand	+
Start	1	End	3450
Name	OJ991108_05.0126.C17.o1.ts	Method	TBLASTX:Soybean
Start	2180	End	3025
GI	none	Score	96
Exons	2180..2287, 2881..3024, 2882..3025		

Seq. No.	32381	Seq. ID	OJ991108_05.0126.C18
Gene No.	67162	Strand	+
Start	1	End	2348
Name	OJ991108_05.0126.C18.o1.np	Method	AAT/NAP
Start	1	End	2345
GI	2664210	Score	1021
Exons	1..24, 69..146, 347..424, 524..592, 694..768, 926..1009, 1101..1187, 1570..1665, 1747..1821, 1968..2094, 2233..2345		
GI Descrip.	(AJ222644) asparaginyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	32381	Seq. ID	OJ991108_05.0126.C18
Gene No.	67162	Strand	+
Start	1	End	2348
Name	OJ991108_05.0126.C18.o1.gs	Method	GENSCAN
Start	69	End	2348
GI	none	Score	.84
Exons	69..146, 661..768, 1101..1187, 1747..1821, 1968..2094, 2233..2348		

Seq. No.	32381	Seq. ID	OJ991108_05.0126.C18
Gene No.	67163	Strand	-
Start	2902	End	3888
Name	OJ991108_05.0126.C18.o1.tm	Method	TBLASTX:Maize
Start	51	End	1148
GI	none	Score	130
Exons	51..146, 70..147, 71..148, 344..442, 345..419, 346..420, 347..427, 513..617, 524..631, 526..591, 692..772, 694..771, 925..1011, 926..1009, 1095..1148, 1098..1148		

Seq. No.	32381	Seq. ID	OJ991108_05.0126.C18
Gene No.	67163	Strand	-
Start	2902	End	3888
Name	OJ991108_05.0126.C18.o1.tc	Method	TBLASTX:Cress
Start	304	End	2360
GI	none	Score	70
Exons	304..426, 343..429, 347..427, 506..616, 523..633, 524..631, 692..772, 694..771, 694..783, 925..996, 926..1009, 926..997, 1095..1190, 1569..1667, 1570..1665, 1744..1827, 1747..1824,		

1965..2093, 1970..2092, 1971..2093, 2204..2356, 2229..2360

Seq. No.	32381	Seq. ID	OJ991108_05.0126.C18
Gene No.	67163	Strand	-
Start	2902	End	3888
Name	OJ991108_05.0126.C18.o2.ts	Method	TBLASTX:Soybean
Start	346	End	1012
GI	none	Score	90
Exons	346..429, 347..427, 523..591, 524..631, 694..768, 694..744, 929..1012		

Seq. No.	32381	Seq. ID	OJ991108_05.0126.C18
Gene No.	67163	Strand	-
Start	2902	End	3888
Name	OJ991108_05.0126.C18.o1.tw	Method	TBLASTX:Wheat
Start	1119	End	2351
GI	none	Score	81
Exons	1119..1190, 1120..1191, 1129..1191, 1569..1667, 1570..1665, 1736..1822, 1736..1822, 1744..1854, 1747..1824, 1963..2094, 1965..2093, 1975..2094, 2204..2347, 2227..2349, 2229..2351, 2232..2351		

Seq. No.	32381	Seq. ID	OJ991108_05.0126.C18
Gene No.	67163	Strand	-
Start	2902	End	3888
Name	OJ991108_05.0126.C18.o2.tm	Method	TBLASTX:Maize
Start	1970	End	2352
GI	none	Score	212
Exons	1970..2092, 1971..2093, 1971..2093, 1972..2112, 2204..2347, 2229..2348, 2232..2348, 2272..2352		

Seq. No.	32381	Seq. ID	OJ991108_05.0126.C18
Gene No.	67163	Strand	-
Start	2902	End	3888
Name	OJ991108_05.0126.C18.o1.ts	Method	TBLASTX:Soybean
Start	2001	End	2384
GI	none	Score	153
Exons	2001..2093, 2001..2093, 2204..2347, 2229..2348, 2235..2384		

Seq. No.	32381	Seq. ID	OJ991108_05.0126.C18
Gene No.	67163	Strand	-
Start	2902	End	3888
Name	OJ991108_05.0126.C18.o2.gs	Method	GENSCAN
Start	2902	End	3861
GI	none	Score	.63
Exons	2902..3127, 3737..3861		

Seq. No.	32381	Seq. ID	OJ991108_05.0126.C18
Gene No.	67163	Strand	-
Start	2902	End	3888
Name	OJ991108_05.0126.C18.o2.np	Method	AAT/NAP
Start	2911	End	3888
GI	2245017	Score	116
Exons	2911..3124, 3767..3888		
GI Descrip.	(Z97341) membrane protein homolog [Arabidopsis thaliana]		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19

Gene No.	67164	Strand	+
Start	2349	End	2618
Name	OJ991108_05.0126.C19.o2.gs	Method	GENSCAN
Start	2349	End	2618
GI	none	Score	.82
Exons	2349..2451, 2512..2618		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67165	Strand	+
Start	3803	End	4040
Name	OJ991108_05.0126.C19.o3.gp	Method	AAT/GAP
Start	3803	End	4040
GI	2797092	Score	419
Exons	3803..4040		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67166	Strand	+
Start	8587	End	9167
Name	OJ991108_05.0126.C19.o5.gs	Method	GENSCAN
Start	8587	End	9167
GI	none	Score	.46
Exons	8587..8659, 8926..9167		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o1.gp	Method	AAT/GAP
Start	1	End	413
GI	LIB3477-002-P1-K1-E2	Score	738
Exons	1..413		
GI Descrip.	'2245017/emb|CAB10437.1| 1.0e-21 (Z97341) membrane protein homolog [Arabidopsis thaliana]'		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o1.np	Method	AAT/NAP
Start	1	End	11508
GI	6907099	Score	426
Exons	1..114, 148..395, 853..1248, 11474..11508		
GI Descrip.	(AP001129) Similar to Arabidopsis thaliana DNA chromosome 4, ESSA I contig fragment No. 6, membrane protein homolog. (Z97341) [Oryza sativa]		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o1.gs	Method	GENSCAN
Start	23	End	1196
GI	none	Score	.85
Exons	23..395, 853..1196		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o2.gp	Method	AAT/GAP
Start	939	End	1290

GI	none	Score	666
Exons	939..1290		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o1.tm	Method	TBLASTX:Maize
Start	2459	End	2788
GI	none	Score	55
Exons	2459..2524, 2540..2788, 2542..2712		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o1.tw	Method	TBLASTX:Wheat
Start	2540	End	2725
GI	none	Score	202
Exons	2540..2725, 2542..2724		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o2.tm	Method	TBLASTX:Maize
Start	4177	End	4647
GI	none	Score	83
Exons	4177..4302, 4198..4281, 4267..4371, 4283..4321, 4488..4646, 4501..4647, 4512..4646		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o3.gs	Method	GENSCAN
Start	4195	End	4940
GI	none	Score	.77
Exons	4195..4343, 4511..4778, 4869..4940		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o1.tc	Method	TBLASTX:Cress
Start	4201	End	4766
GI	none	Score	113
Exons	4201..4371, 4202..4315, 4498..4674, 4512..4757, 4512..4766		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o1.ts	Method	TBLASTX:Soybean
Start	4590	End	4967
GI	none	Score	80
Exons	4590..4784, 4609..4779, 4848..4967		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o4.gp	Method	AAT/GAP
Start	4697	End	4959

GI	none	Score	280
Exons	4697..4778, 4869..4959		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o5.gp	Method	AAT/GAP
Start	4739	End	4960
GI	none	Score	212
Exons	4739..4778, 4869..4960		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o4.gs	Method	GENSCAN
Start	5839	End	7568
GI	none	Score	.72
Exons	5839..6063, 6922..7476, 7512..7568		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o6.gp	Method	AAT/GAP
Start	9377	End	11193
GI	LIB3431-045-P1-N1-A10	Score	813
Exons	9377..9486, 10850..11193		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o6.gs	Method	GENSCAN
Start	9693	End	10791
GI	none	Score	.63
Exons	9693..9851, 10303..10380, 10448..10606, 10789..10791		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o7.gs	Method	GENSCAN
Start	11018	End	13923
GI	none	Score	.73
Exons	11018..11178, 11329..11531, 11536..11583, 11647..11778, 11879..11934, 12092..12274, 12367..12625, 12702..13000, 13092..13502, 13677..13923		

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o2.np	Method	AAT/NAP
Start	11297	End	14016
GI	5441880	Score	2179
Exons	11297..11531, 11647..11778, 12025..12122, 12367..12625, 12702..13000, 13587..14016		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein.		

(AC003981) [Oryza sativa]

Seq. No.	32382	Seq. ID	OJ991108_05.0126.C19
Gene No.	67167	Strand	-
Start	1	End	14016
Name	OJ991108_05.0126.C19.o7.gp	Method	AAT/GAP
Start	12375	End	12874
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	12375..12625, 12702..12874		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	32383	Seq. ID	OJ991108_05.0126.C20
Gene No.	67168	Strand	+
Start	8752	End	13924
Name	OJ991108_05.0126.C20.o3.gs	Method	GENSCAN
Start	8752	End	13578
GI	none	Score	.82
Exons	8752..8832, 8956..9089, 9230..9278, 10076..10228, 10449..10561, 11151..11196, 11446..11492, 11955..12030, 12570..12714, 12764..12909, 13087..13172, 13439..13578		

Seq. No.	32383	Seq. ID	OJ991108_05.0126.C20
Gene No.	67168	Strand	+
Start	8752	End	13924
Name	OJ991108_05.0126.C20.o3.np	Method	AAT/NAP
Start	8767	End	13924
GI	2245097	Score	389
Exons	8767..8832, 10025..10252, 10316..10578, 12649..12909, 13649..13924		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32383	Seq. ID	OJ991108_05.0126.C20
Gene No.	67169	Strand	-
Start	1	End	3406
Name	OJ991108_05.0126.C20.o1.np	Method	AAT/NAP
Start	1	End	2338
GI	5441880	Score	2320
Exons	1..28, 283..598, 857..888, 1333..2338		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32383	Seq. ID	OJ991108_05.0126.C20
Gene No.	67169	Strand	-
Start	1	End	3406
Name	OJ991108_05.0126.C20.o1.gs	Method	GENSCAN
Start	80	End	2791
GI	none	Score	.84
Exons	80..2791		

Seq. No.	32383	Seq. ID	OJ991108_05.0126.C20
Gene No.	67169	Strand	-
Start	1	End	3406
Name	OJ991108_05.0126.C20.o1.tw	Method	TBLASTX:Wheat
Start	1103	End	1483

GI	none	Score	78
Exons	1103..1279, 1133..1279, 1164..1283, 1277..1474, 1289..1483		

Seq. No.	32383	Seq. ID	OJ991108_05.0126.C20
Gene No.	67169	Strand	-
Start	1	End	3406
Name	OJ991108_05.0126.C20.o1.tm	Method	TBLASTX:Maize
Start	1181	End	1777
GI	none	Score	151
Exons	1181..1252, 1316..1615, 1377..1598, 1649..1777, 1671..1769		

Seq. No.	32383	Seq. ID	OJ991108_05.0126.C20
Gene No.	67169	Strand	-
Start	1	End	3406
Name	OJ991108_05.0126.C20.o1.gp	Method	AAT/GAP
Start	1303	End	1734
GI	5701669	Score	849
Exons	1303..1734		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32383	Seq. ID	OJ991108_05.0126.C20
Gene No.	67169	Strand	-
Start	1	End	3406
Name	OJ991108_05.0126.C20.o2.np	Method	AAT/NAP
Start	2351	End	3406
GI	6721543	Score	150
Exons	2351..2467, 3278..3406		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32383	Seq. ID	OJ991108_05.0126.C20
Gene No.	67170	Strand	
Start	10066	End	10562
Name	OJ991108_05.0126.C20.o1.ts	Method	TBLASTX:Soybean
Start	10066	End	10562
GI	none	Score	147
Exons	10066..10206, 10067..10234, 10316..10348, 10427..10561, 10449..10562		

Seq. No.	32384	Seq. ID	OJ991108_07.0125.C1
Gene No.	67171	Strand	+
Start	1	End	208
Name	OJ991108_07.0125.C1.o1.np	Method	AAT/NAP
Start	1	End	208
GI	4581164	Score	187
Exons	1..208		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67172	Strand	+
Start	2168	End	24508
Name	OJ991108_07.0125.C2.o4.np	Method	AAT/NAP
Start	2168	End	24050
GI	4895218	Score	104
Exons	2168..2266, 23621..23743, 23918..24050		

GI Descrip. (AC007660) hypothetical protein [Arabidopsis thaliana]

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67172	Strand	+
Start	2168	End	24508
Name	OJ991108_07.0125.C2.o1.np	Method	AAT/NAP
Start	2601	End	8247
GI	6498441	Score	6835
Exons	2601..3664, 3995..4458, 4522..4895, 5079..5213, 5388..5628, 5821..6303, 6475..7872, 7966..8247		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67172	Strand	+
Start	2168	End	24508
Name	OJ991108_07.0125.C2.o3.gs	Method	GENSCAN
Start	16436	End	17866
GI	none	Score	.78
Exons	16436..17866		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67172	Strand	+
Start	2168	End	24508
Name	OJ991108_07.0125.C2.o5.gs	Method	GENSCAN
Start	22664	End	24347
GI	none	Score	.84
Exons	22664..23052, 23636..23743, 23918..24347		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67172	Strand	+
Start	2168	End	24508
Name	OJ991108_07.0125.C2.o1.gp	Method	AAT/GAP
Start	23993	End	24508
GI	none	Score	966
Exons	23993..24508		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67173	Strand	+
Start	28527	End	43116
Name	OJ991108_07.0125.C2.o6.gs	Method	GENSCAN
Start	28527	End	32713
GI	none	Score	.78
Exons	28527..28582, 31522..31594, 31699..31839, 32501..32713		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67173	Strand	+
Start	28527	End	43116
Name	OJ991108_07.0125.C2.o2.gp	Method	AAT/GAP
Start	32065	End	43116
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	32065..32093, 43043..43116		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67173	Strand	+
Start	28527	End	43116
Name	OJ991108_07.0125.C2.o7.gs	Method	GENSCAN
Start	33455	End	36192
GI	none	Score	.6
Exons	33455..33481, 34332..34597, 34912..35120, 35214..35348, 36182..36192		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67173	Strand	+
Start	28527	End	43116
Name	OJ991108_07.0125.C2.o5.np	Method	AAT/NAP
Start	35507	End	37230
GI	4263825	Score	795
Exons	35507..36698, 36748..36876, 36991..37230		
GI Descrip.	(AC006067) putative helicase [Arabidopsis thaliana]		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67174	Strand	-
Start	8857	End	12194
Name	OJ991108_07.0125.C2.o2.gs	Method	GENSCAN
Start	8857	End	12194
GI	none	Score	.95
Exons	8857..10804, 10936..12194		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67174	Strand	-
Start	8857	End	12194
Name	OJ991108_07.0125.C2.o2.np	Method	AAT/NAP
Start	8860	End	12194
GI	5803259	Score	4383
Exons	8860..10526, 10572..10804, 10936..12194		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67175	Strand	-
Start	13039	End	13884
Name	OJ991108_07.0125.C2.o3.np	Method	AAT/NAP
Start	13039	End	13884
GI	5922623	Score	281
Exons	13039..13109, 13277..13435, 13804..13884		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67176	Strand	-
Start	37194	End	43678
Name	OJ991108_07.0125.C2.o8.gs	Method	GENSCAN
Start	37194	End	43678
GI	none	Score	.47
Exons	37194..37217, 37321..37463, 37947..38042, 38905..39218, 39486..39665, 43623..43678		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67176	Strand	-

Start	37194	End	43678
Name	OJ991108_07.0125.C2.o6.np	Method	AAT/NAP
Start	37621	End	42495
GI	6815072	Score	2004
Exons	37621..39746, 42463..42495		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o6.tw	Method	TBLASTX:Wheat
Start	2749	End	3141
GI	none	Score	58
Exons	2749..2796, 2803..2901, 2820..2900, 2868..3029, 2884..3141		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o8.tm	Method	TBLASTX:Maize
Start	2754	End	3039
GI	none	Score	193
Exons	2754..3038, 2791..3039		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o5.tw	Method	TBLASTX:Wheat
Start	3149	End	6609
GI	none	Score	230
Exons	3149..3202, 6148..6399, 6175..6399, 6240..6413, 6460..6609, 6469..6606, 6471..6608		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o3.tw	Method	TBLASTX:Wheat
Start	3879	End	4362
GI	none	Score	414
Exons	3879..4052, 3880..4362, 4074..4334		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o1.tw	Method	TBLASTX:Wheat
Start	4529	End	4992
GI	none	Score	205
Exons	4529..4972, 4530..4991, 4531..4992		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o4.ts	Method	TBLASTX:Soybean
Start	4570	End	4935
GI	none	Score	117
Exons	4570..4794, 4801..4935		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o1.tm	Method	TBLASTX:Maize
Start	4660	End	5016
GI	none	Score	392
Exons	4660..5016, 4695..5006, 4711..5016		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o3.tm	Method	TBLASTX:Maize
Start	5043	End	5427
GI	none	Score	355
Exons	5043..5408, 5044..5427		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o2.tw	Method	TBLASTX:Wheat
Start	5100	End	5525
GI	none	Score	487
Exons	5100..5525, 5101..5520		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o1.ts	Method	TBLASTX:Soybean
Start	5179	End	5550
GI	none	Score	276
Exons	5179..5550, 5196..5339		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o3.ts	Method	TBLASTX:Soybean
Start	6298	End	6864
GI	5666795	Score	64
Exons	6298..6396, 6472..6609, 6664..6864		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o9.tw	Method	TBLASTX:Wheat
Start	6612	End	6924
GI	none	Score	192
Exons	6612..6788, 6664..6924		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o2.tm	Method	TBLASTX:Maize
Start	7117	End	7440
GI	none	Score	362
Exons	7117..7440, 7146..7427		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o4.tw	Method	TBLASTX:Wheat
Start	7254	End	7635
GI	none	Score	375
Exons	7254..7310, 7255..7635, 7356..7604		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o7.tw	Method	TBLASTX:Wheat
Start	7636	End	8238
GI	none	Score	265
Exons	7636..7920, 7641..7919, 8112..8234, 8113..8238		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o7.tm	Method	TBLASTX:Maize
Start	35759	End	36313
GI	none	Score	74
Exons	35759..35818, 35828..35899, 35927..36313, 36208..36273		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o5.tm	Method	TBLASTX:Maize
Start	36470	End	37055
GI	none	Score	171
Exons	36470..36706, 36514..36705, 36762..36866, 36987..37055		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o8.tw	Method	TBLASTX:Wheat
Start	36470	End	36842
GI	none	Score	202
Exons	36470..36721, 36544..36693, 36765..36842		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o2.ts	Method	TBLASTX:Soybean
Start	37714	End	37896
GI	none	Score	95
Exons	37714..37896, 37715..37894		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o6.tm	Method	TBLASTX:Maize
Start	37822	End	38142
GI	none	Score	58
Exons	37822..37911, 37823..37900, 37921..38142, 37922..38140		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2

Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o1.tc	Method	TBLASTX:Cress
Start	37888	End	38145
GI	none	Score	82
Exons	37888..38145, 37931..38134		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o4.tm	Method	TBLASTX:Maize
Start	38449	End	38818
GI	none	Score	190
Exons	38449..38799, 38450..38818		

Seq. No.	32385	Seq. ID	OJ991108_07.0125.C2
Gene No.	67177	Strand	-
Start	44289	End	44369
Name	OJ991108_07.0125.C2.o3.gp	Method	AAT/GAP
Start	44289	End	44369
GI	38012_1.R1084	Score	104
Exons	44289..44369		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67178	Strand	+
Start	1822	End	3444
Name	OJ991108_07.0125.C3.o1.gs	Method	GENSCAN
Start	1822	End	3444
GI	none	Score	.56
Exons	1822..1971, 2806..2850, 3141..3162, 3434..3444		

Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67179	Strand	+
Start	3738	End	4138
Name	OJ991108_07.0125.C3.o1.gp	Method	AAT/GAP
Start	3738	End	4138
GI	3106733	Score	668
Exons	3738..4138		

Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67180	Strand	+
Start	8510	End	12586
Name	OJ991108_07.0125.C3.o3.np	Method	AAT/NAP
Start	8510	End	12586
GI	6466937	Score	1162
Exons	8510..8574, 10221..12586		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67181	Strand	-
Start	3999	End	8349
Name	OJ991108_07.0125.C3.o2.gs	Method	GENSCAN
Start	3999	End	8349
GI	none	Score	.63

Exons	3999..4430, 4548..4666, 4743..6562, 6880..6991, 7688..8110, 8238..8349		
Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67181	Strand	-
Start	3999	End	8349
Name	OJ991108_07.0125.C3.o1.tc	Method	TBLASTX:Cress
Start	4332	End	6018
GI	none	Score	346
Exons	4332..4430, 4545..4664, 4933..5112, 5309..5386, 5377..6018		
Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67181	Strand	-
Start	3999	End	8349
Name	OJ991108_07.0125.C3.o2.ts	Method	TBLASTX:Soybean
Start	4344	End	4671
GI	none	Score	44
Exons	4344..4436, 4352..4450, 4362..4433, 4545..4670, 4546..4671, 4548..4670		
Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67181	Strand	-
Start	3999	End	8349
Name	OJ991108_07.0125.C3.o1.np	Method	AAT/NAP
Start	5146	End	7914
GI	4538624	Score	552
Exons	5146..6523, 7881..7914		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		
Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67181	Strand	-
Start	3999	End	8349
Name	OJ991108_07.0125.C3.o2.np	Method	AAT/NAP
Start	5871	End	8192
GI	4680199	Score	295
Exons	5871..5892, 7675..8192		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67181	Strand	-
Start	3999	End	8349
Name	OJ991108_07.0125.C3.o1.tw	Method	TBLASTX:Wheat
Start	7680	End	8054
GI	none	Score	133
Exons	7680..7955, 7686..7970, 7687..7971, 7974..8054		
Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67181	Strand	-
Start	3999	End	8349
Name	OJ991108_07.0125.C3.o3.tm	Method	TBLASTX:Maize
Start	7725	End	8135
GI	none	Score	97
Exons	7725..7988, 8031..8135		
Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67182	Strand	
Start	11539	End	12562

Name	OJ991108_07.0125.C3.o2.tm	Method	TBLASTX:Maize
Start	11539	End	11998
GI	none	Score	305
Exons	11539..11934, 11769..11933, 11912..11998, 11923..11988		

Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67182	Strand	
Start	11539	End	12562
Name	OJ991108_07.0125.C3.o2.tw	Method	TBLASTX:Wheat
Start	11743	End	12115
GI	none	Score	180
Exons	11743..11940, 11760..11939, 11915..12115, 11926..12072		

Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67182	Strand	
Start	11539	End	12562
Name	OJ991108_07.0125.C3.o1.tm	Method	TBLASTX:Maize
Start	12000	End	12439
GI	none	Score	211
Exons	12000..12152, 12001..12153, 12002..12184, 12167..12439, 12208..12360, 12215..12421		

Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67182	Strand	
Start	11539	End	12562
Name	OJ991108_07.0125.C3.o1.ts	Method	TBLASTX:Soybean
Start	12092	End	12439
GI	none	Score	317
Exons	12092..12439, 12215..12397		

Seq. No.	32386	Seq. ID	OJ991108_07.0125.C3
Gene No.	67182	Strand	
Start	11539	End	12562
Name	OJ991108_07.0125.C3.o3.tw	Method	TBLASTX:Wheat
Start	12164	End	12562
GI	none	Score	244
Exons	12164..12439, 12260..12391, 12434..12562		

Seq. No.	32387	Seq. ID	OJ991108_07.0125.C4
Gene No.	67183	Strand	-
Start	166	End	286
Name	OJ991108_07.0125.C4.o1.gp	Method	AAT/GAP
Start	166	End	286
GI	LIB3477-003-P1-K1-E9	Score	165
Exons	166..286		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32388	Seq. ID	OJ991028_09.0126.C1
Gene No.	67184	Strand	+
Start	1	End	3151
Name	OJ991028_09.0126.C1.o1.np	Method	AAT/NAP
Start	1	End	3151
GI	5852180	Score	742
Exons	1..278, 774..829, 1821..1938, 1990..2401, 3108..3151		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32388	Seq. ID	OJ991028_09.0126.C1
Gene No.	67184	Strand	+
Start	1	End	3151
Name	OJ991028_09.0126.C1.o1.gs	Method	GENSCAN
Start	1022	End	1679
GI	none	Score	.44
Exons	1022..1082, 1561..1679		

Seq. No.	32388	Seq. ID	OJ991028_09.0126.C1
Gene No.	67185	Strand	-
Start	679	End	6199
Name	OJ991028_09.0126.C1.o1.gp	Method	AAT/GAP
Start	679	End	1062
GI	uC-osf1cyp033a04b1	Score	645
Exons	679..1062		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32388	Seq. ID	OJ991028_09.0126.C1
Gene No.	67185	Strand	-
Start	679	End	6199
Name	OJ991028_09.0126.C1.o2.np	Method	AAT/NAP
Start	826	End	3889
GI	6630697	Score	101
Exons	826..893, 3145..3228, 3737..3889		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	32388	Seq. ID	OJ991028_09.0126.C1
Gene No.	67185	Strand	-
Start	679	End	6199
Name	OJ991028_09.0126.C1.o2.gs	Method	GENSCAN
Start	1808	End	4718
GI	none	Score	.63
Exons	1808..1982, 2146..2437, 3140..3298, 3726..3820, 4687..4718		

Seq. No.	32388	Seq. ID	OJ991028_09.0126.C1
Gene No.	67185	Strand	-
Start	679	End	6199
Name	OJ991028_09.0126.C1.o3.np	Method	AAT/NAP
Start	4139	End	6199
GI	6815072	Score	525
Exons	4139..4171, 5408..6199		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	32388	Seq. ID	OJ991028_09.0126.C1
Gene No.	67185	Strand	-
Start	679	End	6199
Name	OJ991028_09.0126.C1.o1.tc	Method	TBLASTX:Cress
Start	5465	End	5680
GI	none	Score	104
Exons	5465..5680, 5498..5665, 5532..5672		

Seq. No.	32388	Seq. ID	OJ991028_09.0126.C1
Gene No.	67185	Strand	-
Start	679	End	6199

Name	OJ991028_09.0126.C1.o1.tm	Method	TBLASTX:Maize
Start	5465	End	5678
GI	none	Score	89
Exons	5465..5677, 5538..5678		

Seq. No.	32389	Seq. ID	OJ991028_09.0126.C2
Gene No.	67186	Strand	-
Start	1	End	4672
Name	OJ991028_09.0126.C2.o1.np	Method	AAT/NAP
Start	1	End	4390
GI	6815072	Score	2114
Exons	1..1009, 1393..1674, 1807..2479, 2568..2959, 4357..4390		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	32389	Seq. ID	OJ991028_09.0126.C2
Gene No.	67186	Strand	-
Start	1	End	4672
Name	OJ991028_09.0126.C2.o1.gs	Method	GENSCAN
Start	287	End	4672
GI	none	Score	.8
Exons	287..1558, 3548..3580, 3676..3821, 3905..3989, 4279..4426, 4506..4672		

Seq. No.	32389	Seq. ID	OJ991028_09.0126.C2
Gene No.	67187	Strand	-
Start	5728	End	5840
Name	OJ991028_09.0126.C2.o1.tw	Method	TBLASTX:Wheat
Start	1841	End	2168
GI	none	Score	66
Exons	1841..1906, 1842..1904, 1931..1996, 1944..1997, 1971..2168		

Seq. No.	32389	Seq. ID	OJ991028_09.0126.C2
Gene No.	67187	Strand	-
Start	5728	End	5840
Name	OJ991028_09.0126.C2.o2.gs	Method	GENSCAN
Start	5728	End	5840
GI	none	Score	.63
Exons	5728..5840		

Seq. No.	32390	Seq. ID	OJ991028_09.0126.C3
Gene No.	67188	Strand	+
Start	275	End	9299
Name	OJ991028_09.0126.C3.o1.np	Method	AAT/NAP
Start	275	End	8731
GI	6056390	Score	515
Exons	275..335, 771..896, 6634..6963, 7202..7512, 8119..8731		
GI Descrip.	(AC009324) Unknown protein [Arabidopsis thaliana]		

Seq. No.	32390	Seq. ID	OJ991028_09.0126.C3
Gene No.	67188	Strand	+
Start	275	End	9299
Name	OJ991028_09.0126.C3.o2.gs	Method	GENSCAN
Start	4104	End	9299
GI	none	Score	.83
Exons	4104..4419, 4607..4858, 5378..5448, 6246..6358, 6645..6963, 7202..7512, 8119..8695, 9189..9299		

Seq. No.	32390	Seq. ID	OJ991028_09.0126.C3
Gene No.	67188	Strand	+
Start	275	End	9299
Name	OJ991028_09.0126.C3.o1.ts	Method	TBLASTX:Soybean
Start	6619	End	6960
GI	none	Score	324
Exons	6619..6960, 6648..6959		

Seq. No.	32390	Seq. ID	OJ991028_09.0126.C3
Gene No.	67188	Strand	+
Start	275	End	9299
Name	OJ991028_09.0126.C3.o1.tc	Method	TBLASTX:Cress
Start	6640	End	6956
GI	none	Score	293
Exons	6640..6954, 6640..6954, 6735..6956		

Seq. No.	32390	Seq. ID	OJ991028_09.0126.C3
Gene No.	67188	Strand	+
Start	275	End	9299
Name	OJ991028_09.0126.C3.o1.tm	Method	TBLASTX:Maize
Start	6675	End	8387
GI	none	Score	464
Exons	6675..6959, 6676..6972, 6676..6975, 7200..7307, 7201..7326, 7202..7345, 7303..7509, 7313..7513, 7321..7512, 8116..8319, 8117..8326, 8118..8324, 8223..8327, 8318..8386, 8327..8383, 8340..8384, 8355..8387		

Seq. No.	32390	Seq. ID	OJ991028_09.0126.C3
Gene No.	67188	Strand	+
Start	275	End	9299
Name	OJ991028_09.0126.C3.o1.gp	Method	AAT/GAP
Start	8529	End	9030
GI	none	Score	906
Exons	8529..9030		

Seq. No.	32391	Seq. ID	OJ991028_09.0126.C4
Gene No.	67189	Strand	+
Start	41	End	8189
Name	OJ991028_09.0126.C4.o1.gs	Method	GENSCAN
Start	41	End	8189
GI	none	Score	.45
Exons	41..51, 56..163, 353..440, 939..994, 2060..2543, 2886..3195, 3651..3742, 3795..3974, 5389..5419, 6335..6497, 8177..8189		

Seq. No.	32391	Seq. ID	OJ991028_09.0126.C4
Gene No.	67190	Strand	-
Start	1013	End	3903
Name	OJ991028_09.0126.C4.o1.np	Method	AAT/NAP
Start	1013	End	3903
GI	6498436	Score	335
Exons	1013..1151, 1380..1707, 3883..3903		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	32391	Seq. ID	OJ991028_09.0126.C4
Gene No.	67191	Strand	-
Start	9408	End	9656

Name	OJ991028_09.0126.C4.o2.tm	Method	TBLASTX:Maize
Start	4367	End	4761
GI	none	Score	246
Exons	4367..4636, 4370..4693, 4687..4761		

Seq. No.	32391	Seq. ID	OJ991028_09.0126.C4
Gene No.	67191	Strand	-
Start	9408	End	9656
Name	OJ991028_09.0126.C4.o1.tm	Method	TBLASTX:Maize
Start	5084	End	5545
GI	none	Score	233
Exons	5084..5446, 5092..5322, 5378..5446, 5459..5545		

Seq. No.	32391	Seq. ID	OJ991028_09.0126.C4
Gene No.	67191	Strand	-
Start	9408	End	9656
Name	OJ991028_09.0126.C4.o1.tw	Method	TBLASTX:Wheat
Start	5270	End	8459
GI	none	Score	269
Exons	5270..5629, 5407..5631, 8263..8385, 8406..8459		

Seq. No.	32391	Seq. ID	OJ991028_09.0126.C4
Gene No.	67191	Strand	-
Start	9408	End	9656
Name	OJ991028_09.0126.C4.o2.gs	Method	GENSCAN
Start	9408	End	9656
GI	none	Score	.94
Exons	9408..9656		

Seq. No.	32392	Seq. ID	OJ991028_09.0126.C5
Gene No.	67192	Strand	+
Start	325	End	451
Name	OJ991028_09.0126.C5.o1.gs	Method	GENSCAN
Start	325	End	451
GI	none	Score	.81
Exons	325..451		

Seq. No.	32392	Seq. ID	OJ991028_09.0126.C5
Gene No.	67193	Strand	+
Start	11517	End	22819
Name	OJ991028_09.0126.C5.o1.np	Method	AAT/NAP
Start	11517	End	15593
GI	5777632	Score	251
Exons	11517..11668, 12689..12802, 12979..13213, 13406..13564, 13869..14020, 15529..15593		
GI Descrip.	(AJ245900) CAA303720.1 protein [Oryza sativa]		

Seq. No.	32392	Seq. ID	OJ991028_09.0126.C5
Gene No.	67193	Strand	+
Start	11517	End	22819
Name	OJ991028_09.0126.C5.o4.gs	Method	GENSCAN
Start	12461	End	22624
GI	none	Score	.52
Exons	12461..12478, 13112..13213, 13406..13564, 13869..14020, 18370..18588, 20736..20818, 21396..21586, 22199..22333, 22361..22400, 22503..22624		

Seq. No.	32392	Seq. ID	OJ991028_09.0126.C5
Gene No.	67193	Strand	+
Start	11517	End	22819
Name	OJ991028_09.0126.C5.o2.np	Method	AAT/NAP
Start	22055	End	22819
GI	5922620	Score	107
Exons	22055..22560, 22594..22819		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32392	Seq. ID	OJ991028_09.0126.C5
Gene No.	67194	Strand	+
Start	24283	End	25058
Name	OJ991028_09.0126.C5.o5.gs	Method	GENSCAN
Start	24283	End	25058
GI	none	Score	.79
Exons	24283..24476, 24872..25058		

Seq. No.	32392	Seq. ID	OJ991028_09.0126.C5
Gene No.	67195	Strand	-
Start	9233	End	10269
Name	OJ991028_09.0126.C5.o3.gs	Method	GENSCAN
Start	9233	End	10269
GI	none	Score	.66
Exons	9233..9458, 10244..10269		

Seq. No.	32392	Seq. ID	OJ991028_09.0126.C5
Gene No.	67196	Strand	
Start	23376	End	23783
Name	OJ991028_09.0126.C5.o1.tm	Method	TBLASTX:Maize
Start	23376	End	23783
GI	none	Score	64
Exons	23376..23456, 23454..23783, 23580..23765		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67197	Strand	+
Start	575	End	14622
Name	OJ991028_09.0126.C6.o1.gs	Method	GENSCAN
Start	575	End	14622
GI	none	Score	.8
Exons	575..815, 918..1535, 1797..2070, 2293..2399, 2848..3072, 3380..3439, 3782..3934, 4027..4092, 4354..4445, 6997..7419, 8911..9429, 9431..9764, 10294..10744, 12119..12243, 12424..12683, 12740..13354, 13566..13653, 13658..13691, 13837..13932, 14205..14622		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67197	Strand	+
Start	575	End	14622
Name	OJ991028_09.0126.C6.o1.np	Method	AAT/NAP
Start	1076	End	3074
GI	5911167	Score	1186
Exons	1076..1384, 1412..2216, 2250..3074		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67198	Strand	+
Start	14775	End	15239
Name	OJ991028_09.0126.C6.o1.gp	Method	AAT/GAP
Start	14775	End	15239
GI	2428323	Score	717
Exons	14775..15239		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67199	Strand	+
Start	18810	End	22712
Name	OJ991028_09.0126.C6.o4.gs	Method	GENSCAN
Start	18810	End	22712
GI	none	Score	.68
Exons	18810..18913, 19506..19578, 20259..20327, 20356..21415, 21458..21566, 21647..21898, 21986..22096, 22187..22268, 22353..22436, 22518..22712		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67199	Strand	+
Start	18810	End	22712
Name	OJ991028_09.0126.C6.o2.gp	Method	AAT/GAP
Start	21252	End	21799
GI	LIB3431-004-P1-K1-F8	Score	868
Exons	21252..21566, 21647..21799		
GI Descrip.	'3080439/emb|CAA18756.1| 2.0e-14 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67200	Strand	+
Start	25697	End	27608
Name	OJ991028_09.0126.C6.o5.gs	Method	GENSCAN
Start	25697	End	27608
GI	none	Score	.88
Exons	25697..25774, 27034..27274, 27451..27608		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67201	Strand	-
Start	15247	End	20360
Name	OJ991028_09.0126.C6.o3.tw	Method	TBLASTX:Wheat
Start	1061	End	1519
GI	none	Score	185
Exons	1061..1351, 1063..1353, 1415..1519, 1421..1513		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67201	Strand	-
Start	15247	End	20360
Name	OJ991028_09.0126.C6.o1.ts	Method	TBLASTX:Soybean
Start	1229	End	1672
GI	none	Score	113
Exons	1229..1351, 1429..1671, 1430..1672		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67201	Strand	-

Start	15247	End	20360
Name	OJ991028_09.0126.C6.o2.tm	Method	TBLASTX:Maize
Start	1286	End	1798
GI	none	Score	80
Exons	1286..1357, 1406..1477, 1409..1471, 1523..1798, 1549..1722		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67201	Strand	-
Start	15247	End	20360
Name	OJ991028_09.0126.C6.o1.tc	Method	TBLASTX:Cress
Start	1406	End	1753
GI	none	Score	287
Exons	1406..1753, 1507..1557, 1591..1698		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67201	Strand	-
Start	15247	End	20360
Name	OJ991028_09.0126.C6.o2.tw	Method	TBLASTX:Wheat
Start	1538	End	1840
GI	none	Score	300
Exons	1538..1840, 1546..1800		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67201	Strand	-
Start	15247	End	20360
Name	OJ991028_09.0126.C6.o1.tm	Method	TBLASTX:Maize
Start	2571	End	2954
GI	none	Score	54
Exons	2571..2639, 2640..2954, 2648..2953		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67201	Strand	-
Start	15247	End	20360
Name	OJ991028_09.0126.C6.o1.tw	Method	TBLASTX:Wheat
Start	2595	End	9583
GI	none	Score	327
Exons	2595..3077, 2645..2776, 2828..2995, 8944..9171, 9021..9161, 9184..9384, 9225..9356, 9361..9450, 9372..9452, 9482..9583, 9484..9534		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67201	Strand	-
Start	15247	End	20360
Name	OJ991028_09.0126.C6.o3.tm	Method	TBLASTX:Maize
Start	9058	End	9353
GI	none	Score	162
Exons	9058..9234, 9240..9353, 9241..9348		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67201	Strand	-
Start	15247	End	20360
Name	OJ991028_09.0126.C6.o2.gs	Method	GENSCAN
Start	15247	End	17893
GI	none	Score	.95
Exons	15247..17182, 17277..17893		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6

Gene No.	67201	Strand	-
Start	15247	End	20360
Name	OJ991028_09.0126.C6.o2.np	Method	AAT/NAP
Start	15250	End	18538
GI	6907089	Score	4915
Exons	15250..17182, 17277..18538		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67201	Strand	-
Start	15247	End	20360
Name	OJ991028_09.0126.C6.o3.np	Method	AAT/NAP
Start	17626	End	20360
GI	5922623	Score	190
Exons	17626..17709, 19349..19424, 19592..19746, 20276..20360		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32393	Seq. ID	OJ991028_09.0126.C6
Gene No.	67201	Strand	-
Start	15247	End	20360
Name	OJ991028_09.0126.C6.o3.gs	Method	GENSCAN
Start	17978	End	18538
GI	none	Score	1
Exons	17978..18538		

Seq. No.	32394	Seq. ID	OJ991028_09.0126.C7
Gene No.	67202	Strand	+
Start	850	End	2785
Name	OJ991028_09.0126.C7.o1.np	Method	AAT/NAP
Start	850	End	2785
GI	6016479	Score	185
Exons	850..1118, 2767..2785		
GI Descrip.	(AF045286) GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase [Arabidopsis thaliana] gi|6598858|gb|AAF18712.1|AC010556_8 (AC010556) GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase (GER1) [Arabidopsis thaliana]		

Seq. No.	32394	Seq. ID	OJ991028_09.0126.C7
Gene No.	67203	Strand	+
Start	6077	End	8916
Name	OJ991028_09.0126.C7.o1.tm	Method	TBLASTX:Maize
Start	888	End	1145
GI	none	Score	221
Exons	888..1145, 934..1113		

Seq. No.	32394	Seq. ID	OJ991028_09.0126.C7
Gene No.	67203	Strand	+
Start	6077	End	8916
Name	OJ991028_09.0126.C7.o1.ts	Method	TBLASTX:Soybean
Start	888	End	1113
GI	none	Score	194
Exons	888..1112, 934..1113		

Seq. No.	32394	Seq. ID	OJ991028_09.0126.C7
Gene No.	67203	Strand	+
Start	6077	End	8916
Name	OJ991028_09.0126.C7.o1.tc	Method	TBLASTX:Cress
Start	933	End	1113
GI	none	Score	210
Exons	933..1112, 934..1113		

Seq. No.	32394	Seq. ID	OJ991028_09.0126.C7
Gene No.	67203	Strand	+
Start	6077	End	8916
Name	OJ991028_09.0126.C7.o2.gs	Method	GENSCAN
Start	6077	End	8795
GI	none	Score	.69
Exons	6077..6199, 6848..6949, 7175..7333, 7563..7714, 8700..8795		

Seq. No.	32394	Seq. ID	OJ991028_09.0126.C7
Gene No.	67203	Strand	+
Start	6077	End	8916
Name	OJ991028_09.0126.C7.o2.np	Method	AAT/NAP
Start	6101	End	8916
GI	5777632	Score	249
Exons	6101..6195, 6711..6949, 7175..7333, 7563..7713, 8854..8916		
GI Descrip.	(AJ245900) CAA303720.1 protein [Oryza sativa]		

Seq. No.	32395	Seq. ID	OJ991028_09.0126.C8
Gene No.	67204	Strand	+
Start	1	End	6851
Name	OJ991028_09.0126.C8.o1.np	Method	AAT/NAP
Start	1	End	3653
GI	4680183	Score	174
Exons	1..26, 2890..2957, 3564..3653		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	32395	Seq. ID	OJ991028_09.0126.C8
Gene No.	67204	Strand	+
Start	1	End	6851
Name	OJ991028_09.0126.C8.o1.gs	Method	GENSCAN
Start	2443	End	6851
GI	none	Score	.59
Exons	2443..2576, 2581..2737, 2868..3021, 3455..3618, 4374..4474, 4511..4777, 6336..6459, 6752..6851		

Seq. No.	32396	Seq. ID	OJ991008_04.0121.C2
Gene No.	67205	Strand	+
Start	1287	End	1842
Name	OJ991008_04.0121.C2.o1.gs	Method	GENSCAN
Start	1287	End	1842
GI	none	Score	.79
Exons	1287..1539, 1761..1842		

Seq. No.	32397	Seq. ID	OJ991008_04.0121.C3
Gene No.	67206	Strand	+
Start	1506	End	4045
Name	OJ991008_04.0121.C3.o1.gs	Method	GENSCAN
Start	1506	End	4022
GI	none	Score	.49

Exons	1506..1749, 3475..3717, 3816..4022		
Seq. No.	32397	Seq. ID	OJ991008_04.0121.C3
Gene No.	67206	Strand	+
Start	1506	End	4045
Name	OJ991008_04.0121.C3.o2.np	Method	AAT/NAP
Start	3416	End	4045
GI	6539588	Score	297
Exons	3416..3742, 3984..4045		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	32397	Seq. ID	OJ991008_04.0121.C3
Gene No.	67207	Strand	-
Start	3755	End	4045
Name	OJ991008_04.0121.C3.o1.tw	Method	TBLASTX:Wheat
Start	468	End	798
GI	none	Score	64
Exons	468..686, 637..798, 693..794		
Seq. No.	32397	Seq. ID	OJ991008_04.0121.C3
Gene No.	67207	Strand	-
Start	3755	End	4045
Name	OJ991008_04.0121.C3.o1.tm	Method	TBLASTX:Maize
Start	1077	End	1391
GI	none	Score	74
Exons	1077..1223, 1218..1379, 1233..1391, 1264..1386		
Seq. No.	32397	Seq. ID	OJ991008_04.0121.C3
Gene No.	67207	Strand	-
Start	3755	End	4045
Name	OJ991008_04.0121.C3.o3.np	Method	AAT/NAP
Start	3755	End	4045
GI	6729552	Score	100
Exons	3755..4045		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		
Seq. No.	32398	Seq. ID	OJ991008_04.0121.C4
Gene No.	67208	Strand	+
Start	563	End	992
Name	OJ991008_04.0121.C4.o1.gs	Method	GENSCAN
Start	563	End	992
GI	none	Score	.96
Exons	563..688, 751..992		
Seq. No.	32399	Seq. ID	OJ991008_04.0121.C5
Gene No.	67209	Strand	-
Start	471	End	581
Name	OJ991008_04.0121.C5.o1.gs	Method	GENSCAN
Start	471	End	581
GI	none	Score	.97
Exons	471..581		
Seq. No.	32400	Seq. ID	OJ991008_04.0121.C7
Gene No.	67210	Strand	+
Start	1261	End	1433
Name	OJ991008_04.0121.C7.o1.gs	Method	GENSCAN
Start	1261	End	1433

GI	none	Score	.66
Exons	1261..1433		

Seq. No.	32400	Seq. ID	OJ991008_04.0121.C7
Gene No.	67211	Strand	+
Start	2722	End	4171
Name	OJ991008_04.0121.C7.o1.np	Method	AAT/NAP
Start	2695	End	4171
GI	416731	Score	277
Exons	2695..3167, 4111..4171		
GI Descrip.	POLLEN SPECIFIC PROTEIN C13 PRECURSOR gi|82655|pir||JQ1107 18.3K protein precursor, pollen - maize gi|255569|bbs|113677 (S44171) pollen specific protein [Zea mays=corn, Peptide, 170 aa] [Zea mays] gi|1588669|prf||2209273A Zm13 [Zea mays]		

Seq. No.	32400	Seq. ID	OJ991008_04.0121.C7
Gene No.	67211	Strand	+
Start	2722	End	4171
Name	OJ991008_04.0121.C7.o2.gs	Method	GENSCAN
Start	2722	End	3228
GI	none	Score	.59
Exons	2722..3228		

Seq. No.	32400	Seq. ID	OJ991008_04.0121.C7
Gene No.	67212	Strand	+
Start	4099	End	4316
Name	OJ991008_04.0121.C7.o1.tm	Method	TBLASTX:Maize
Start	2793	End	3125
GI	none	Score	268
Exons	2793..3125, 2794..2994, 2995..3117		

Seq. No.	32400	Seq. ID	OJ991008_04.0121.C7
Gene No.	67212	Strand	+
Start	4099	End	4316
Name	OJ991008_04.0121.C7.o1.gp	Method	AAT/GAP
Start	4099	End	4316
GI	uC-osroM202025g03a1	Score	323
Exons	4099..4316		
GI Descrip.	'4835767/gb|AAD30234.1|AC007202_16 7.0e-17 (AC007202) T8K14.16 [Arabidopsis thaliana]'		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67213	Strand	+
Start	2973	End	3089
Name	OJ991008_04.0121.C8.o1.gs	Method	GENSCAN
Start	2973	End	3089
GI	none	Score	.49
Exons	2973..3089		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67214	Strand	+
Start	5187	End	11629
Name	OJ991008_04.0121.C8.o3.gs	Method	GENSCAN
Start	5187	End	11629
GI	none	Score	.51
Exons	5187..5215, 6242..6296, 6377..6703, 7561..7789, 8151..8261, 8633..9260, 9463..9577, 9645..9836, 9907..9965, 10245..10746,		

10787..10856, 11112..11629

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67214	Strand	+
Start	5187	End	11629
Name	OJ991008_04.0121.C8.o3.np	Method	AAT/NAP
Start	7746	End	9464
GI	6721512	Score	94
Exons	7746..7848, 7876..8016, 9426..9464		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67214	Strand	+
Start	5187	End	11629
Name	OJ991008_04.0121.C8.o4.np	Method	AAT/NAP
Start	8674	End	10399
GI	6721558	Score	267
Exons	8674..8773, 9453..9577, 10181..10399		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67214	Strand	+
Start	5187	End	11629
Name	OJ991008_04.0121.C8.o5.np	Method	AAT/NAP
Start	9581	End	10788
GI	6721561	Score	1199
Exons	9581..9836, 9907..9965, 10023..10788		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67215	Strand	-
Start	3879	End	5596
Name	OJ991008_04.0121.C8.o1.np	Method	AAT/NAP
Start	3873	End	5596
GI	2511546	Score	188
Exons	3873..4463, 5552..5596		
GI Descrip.	(AF022658) putative c2h2 zinc finger transcription factor [Arabidopsis thaliana]		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67215	Strand	-
Start	3879	End	5596
Name	OJ991008_04.0121.C8.o2.gs	Method	GENSCAN
Start	3879	End	4478
GI	none	Score	.85
Exons	3879..4478		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67216	Strand	-
Start	6185	End	6790
Name	OJ991008_04.0121.C8.o2.np	Method	AAT/NAP

Start	6185	End	6790
GI	6498437	Score	64
Exons	6185..6285, 6435..6790		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67217	Strand	-
Start	12267	End	13370
Name	OJ991008_04.0121.C8.o6.np	Method	AAT/NAP
Start	12245	End	13370
GI	5902445	Score	1112
Exons	12245..13370		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67217	Strand	-
Start	12267	End	13370
Name	OJ991008_04.0121.C8.o1.tw	Method	TBLASTX:Wheat
Start	12267	End	12860
GI	none	Score	66
Exons	12267..12380, 12272..12385, 12489..12860, 12607..12714		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67217	Strand	-
Start	12267	End	13370
Name	OJ991008_04.0121.C8.o4.gs	Method	GENSCAN
Start	12267	End	13309
GI	none	Score	.52
Exons	12267..13038, 13154..13309		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67217	Strand	-
Start	12267	End	13370
Name	OJ991008_04.0121.C8.o2.tw	Method	TBLASTX:Wheat
Start	12987	End	13368
GI	none	Score	98
Exons	12987..13139, 12988..13137, 13162..13368, 13166..13363		

Seq. No.	32401	Seq. ID	OJ991008_04.0121.C8
Gene No.	67217	Strand	-
Start	12267	End	13370
Name	OJ991008_04.0121.C8.o1.tm	Method	TBLASTX:Maize
Start	13066	End	13368
GI	none	Score	62
Exons	13066..13149, 13074..13145, 13156..13368, 13184..13333		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67218	Strand	+
Start	7564	End	8574
Name	OJ991008_04.0121.C9.o2.gs	Method	GENSCAN
Start	7564	End	8574
GI	none	Score	.48
Exons	7564..7576, 7679..7710, 8431..8574		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67219	Strand	+
Start	9977	End	10858

Name	OJ991008_04.0121.C9.o1.gp	Method	AAT/GAP
Start	9916	End	10287
GI	none	Score	705
Exons	9916..10287		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67219	Strand	+
Start	9977	End	10858
Name	OJ991008_04.0121.C9.o3.gs	Method	GENSCAN
Start	9977	End	10858
GI	none	Score	.72
Exons	9977..10858		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67220	Strand	+
Start	14294	End	18902
Name	OJ991008_04.0121.C9.o3.np	Method	AAT/NAP
Start	14294	End	18588
GI	5777623	Score	991
Exons	14294..14323, 14748..14928, 15177..15337, 15518..16024, 17383..17666, 18543..18588		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67220	Strand	+
Start	14294	End	18902
Name	OJ991008_04.0121.C9.o5.np	Method	AAT/NAP
Start	14608	End	18902
GI	5777623	Score	983
Exons	14608..14928, 15177..15337, 15518..16024, 17383..17625, 18872..18902		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67221	Strand	-
Start	1	End	1571
Name	OJ991008_04.0121.C9.o1.np	Method	AAT/NAP
Start	1	End	1571
GI	5902445	Score	1711
Exons	1..1571		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o4.tw	Method	TBLASTX:Wheat
Start	78	End	486
GI	none	Score	101
Exons	78..245, 259..486, 261..485		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o1.ts	Method	TBLASTX:Soybean
Start	576	End	1001
GI	none	Score	85
Exons	576..1001, 817..969		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o2.tw	Method	TBLASTX:Wheat
Start	631	End	1055
GI	none	Score	287
Exons	631..1008, 633..1055, 774..1052		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o3.tm	Method	TBLASTX:Maize
Start	729	End	1112
GI	none	Score	129
Exons	729..1112, 730..1008		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o1.tm	Method	TBLASTX:Maize
Start	1140	End	1496
GI	none	Score	211
Exons	1140..1496, 1168..1434, 1191..1442		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o1.tw	Method	TBLASTX:Wheat
Start	1171	End	1626
GI	none	Score	391
Exons	1171..1626, 1172..1411, 1182..1625		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o3.ts	Method	TBLASTX:Soybean
Start	1221	End	1586
GI	none	Score	110
Exons	1221..1355, 1362..1586		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o3.tw	Method	TBLASTX:Wheat
Start	1818	End	2273
GI	none	Score	126
Exons	1818..2054, 1828..2052, 2091..2273, 2092..2265		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o5.tw	Method	TBLASTX:Wheat
Start	2856	End	3254
GI	none	Score	256
Exons	2856..3254		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o4.tm	Method	TBLASTX:Maize
Start	3018	End	3257
GI	none	Score	189
Exons	3018..3257		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o5.gs	Method	GENSCAN
Start	13142	End	15195
GI	none	Score	.96
Exons	13142..13211, 13250..13349, 14928..15195		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o2.np	Method	AAT/NAP
Start	14403	End	16278
GI	6907086	Score	1526
Exons	14403..14603, 14658..14808, 14923..15043, 15294..15463, 15524..16278		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o6.gs	Method	GENSCAN
Start	15504	End	21571
GI	none	Score	.84
Exons	15504..16053, 16734..16997, 17500..17597, 18361..18449, 19496..19629, 21145..21191, 21329..21355, 21434..21571		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o4.np	Method	AAT/NAP
Start	15976	End	17910
GI	6907088	Score	975
Exons	15976..16318, 17359..17597, 17773..17910		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o6.np	Method	AAT/NAP
Start	17526	End	20916
GI	4680186	Score	206
Exons	17526..17951, 18454..18553, 20296..20458, 20873..20916		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o2.gp	Method	AAT/GAP

Start	20769	End	21574
GI	70101_1.R1084	Score	903
Exons	20769..21004, 21145..21191, 21271..21355, 21434..21574		
GI Descrip.	'4680192/gb|AAD27557.1|AF111710_3 2.0e-09 (AF111710) hypothetical protein [Oryza sativa subsp. indica]'		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o2.tm	Method	TBLASTX:Maize
Start	20861	End	21579
GI	none	Score	204
Exons	20861..21007, 20862..21005, 21063..21131, 21136..21195, 21143..21193, 21261..21356, 21269..21355, 21428..21574, 21435..21572, 21436..21579, 21437..21577		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o2.ts	Method	TBLASTX:Soybean
Start	20861	End	21580
GI	none	Score	127
Exons	20861..20998, 20862..20984, 21143..21193, 21145..21195, 21261..21350, 21269..21355, 21416..21580, 21438..21572		

Seq. No.	32402	Seq. ID	OJ991008_04.0121.C9
Gene No.	67222	Strand	-
Start	13142	End	21644
Name	OJ991008_04.0121.C9.o7.np	Method	AAT/NAP
Start	21113	End	21644
GI	4680192	Score	82
Exons	21113..21219, 21251..21334, 21412..21644		
GI Descrip.	(AF111710) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	32403	Seq. ID	OJ991008_04.0121.C10
Gene No.	67223	Strand	-
Start	343	End	3734
Name	OJ991008_04.0121.C10.o1.gp	Method	AAT/GAP
Start	343	End	3573
GI	31070_1.R1084	Score	1276
Exons	343..444, 532..598, 674..774, 1369..1472, 3024..3118, 3316..3573		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	32403	Seq. ID	OJ991008_04.0121.C10
Gene No.	67223	Strand	-
Start	343	End	3734
Name	OJ991008_04.0121.C10.o1.tc	Method	TBLASTX:Cress
Start	345	End	1479
GI	none	Score	72
Exons	345..446, 352..447, 519..599, 675..773, 675..773, 676..777, 1345..1422, 1350..1439, 1432..1479		

Seq. No.	32403	Seq. ID	OJ991008_04.0121.C10
Gene No.	67223	Strand	-
Start	343	End	3734
Name	OJ991008_04.0121.C10.o1.tm	Method	TBLASTX:Maize

Start	379	End	3129
GI	none	Score	89
Exons	379..447, 381..452, 527..595, 527..595, 531..599, 538..606, 674..760, 675..773, 676..774, 676..774, 1345..1470, 1350..1475, 1350..1469, 1372..1470, 3023..3088, 3024..3077, 3024..3089, 3025..3129		

Seq. No.	32403	Seq. ID	OJ991008_04.0121.C10
Gene No.	67223	Strand	-
Start	343	End	3734
Name	OJ991008_04.0121.C10.o1.gs	Method	GENSCAN
Start	674	End	3734
GI	none	Score	.79
Exons	674..774, 1369..1472, 3024..3118, 3683..3734		

Seq. No.	32404	Seq. ID	OJ991008_04.0121.C11
Gene No.	67224	Strand	+
Start	384	End	737
Name	OJ991008_04.0121.C11.o1.gs	Method	GENSCAN
Start	384	End	737
GI	none	Score	.91
Exons	384..737		

Seq. No.	32404	Seq. ID	OJ991008_04.0121.C11
Gene No.	67225	Strand	+
Start	9088	End	9393
Name	OJ991008_04.0121.C11.o3.gs	Method	GENSCAN
Start	9088	End	9393
GI	none	Score	.52
Exons	9088..9393		

Seq. No.	32404	Seq. ID	OJ991008_04.0121.C11
Gene No.	67226	Strand	-
Start	241	End	1549
Name	OJ991008_04.0121.C11.o1.np	Method	AAT/NAP
Start	241	End	1549
GI	5777617	Score	71
Exons	241..348, 1520..1549		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	32404	Seq. ID	OJ991008_04.0121.C11
Gene No.	67227	Strand	-
Start	3777	End	5195
Name	OJ991008_04.0121.C11.o2.gs	Method	GENSCAN
Start	3777	End	5195
GI	none	Score	.67
Exons	3777..5195		

Seq. No.	32404	Seq. ID	OJ991008_04.0121.C11
Gene No.	67227	Strand	-
Start	3777	End	5195
Name	OJ991008_04.0121.C11.o2.np	Method	AAT/NAP
Start	3780	End	5051
GI	6522916	Score	1071
Exons	3780..5051		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	32404	Seq. ID	OJ991008_04.0121.C11
Gene No.	67228	Strand	-
Start	10578	End	12920
Name	OJ991008_04.0121.C11.o1.ts	Method	TBLASTX:Soybean
Start	4527	End	4725
GI	4292932	Score	143
Exons	4527..4724, 4543..4725		
GI Descrip.	4468990/emb_CAB38304_ 5.0e-15 (AL035605) putative protein [Arabidopsis thaliana]		

Seq. No.	32404	Seq. ID	OJ991008_04.0121.C11
Gene No.	67228	Strand	-
Start	10578	End	12920
Name	OJ991008_04.0121.C11.o4.gs	Method	GENSCAN
Start	10578	End	12920
GI	none	Score	.46
Exons	10578..10725, 12809..12920		

Seq. No.	32405	Seq. ID	OJ991008_04.0121.C12
Gene No.	67229	Strand	+
Start	993	End	3425
Name	OJ991008_04.0121.C12.o1.gs	Method	GENSCAN
Start	993	End	3425
GI	none	Score	.61
Exons	993..1130, 2249..2309, 2427..2473, 2855..2976, 3260..3425		

Seq. No.	32405	Seq. ID	OJ991008_04.0121.C12
Gene No.	67230	Strand	+
Start	7542	End	7889
Name	OJ991008_04.0121.C12.o3.gs	Method	GENSCAN
Start	7542	End	7889
GI	none	Score	.85
Exons	7542..7889		

Seq. No.	32405	Seq. ID	OJ991008_04.0121.C12
Gene No.	67231	Strand	-
Start	1	End	9498
Name	OJ991008_04.0121.C12.o1.np	Method	AAT/NAP
Start	1	End	9498
GI	6630700	Score	914
Exons	1..175, 2257..2404, 6110..6976, 8986..9174, 9439..9498		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		

Seq. No.	32405	Seq. ID	OJ991008_04.0121.C12
Gene No.	67231	Strand	-
Start	1	End	9498
Name	OJ991008_04.0121.C12.o2.gs	Method	GENSCAN
Start	4666	End	6897
GI	none	Score	.62
Exons	4666..4862, 4873..5019, 5207..5324, 5339..5440, 6094..6690, 6769..6897		

Seq. No.	32405	Seq. ID	OJ991008_04.0121.C12
Gene No.	67231	Strand	-

Start	1	End	9498
Name	OJ991008_04.0121.C12.o4.gs	Method	GENSCAN
Start	8892	End	9453
GI	none	Score	.98
Exons	8892..9377, 9439..9453		

Seq. No.	32405	Seq. ID	OJ991008_04.0121.C12
Gene No.	67231	Strand	-
Start	1	End	9498
Name	OJ991008_04.0121.C12.o1.tw	Method	TBLASTX:Wheat
Start	9007	End	9387
GI	none	Score	55
Exons	9007..9078, 9021..9089, 9142..9207, 9142..9186, 9165..9233, 9210..9386, 9237..9386, 9238..9387		

Seq. No.	32405	Seq. ID	OJ991008_04.0121.C12
Gene No.	67231	Strand	-
Start	1	End	9498
Name	OJ991008_04.0121.C12.o1.tm	Method	TBLASTX:Maize
Start	9142	End	9386
GI	none	Score	44
Exons	9142..9174, 9237..9383, 9237..9386, 9238..9384		

Seq. No.	32406	Seq. ID	OJ991008_04.0121.C13
Gene No.	67232	Strand	-
Start	9	End	699
Name	OJ991008_04.0121.C13.o1.gs	Method	GENSCAN
Start	9	End	699
GI	none	Score	.54
Exons	9..143, 192..457, 693..699		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14
Gene No.	67233	Strand	-
Start	908	End	2763
Name	OJ991008_04.0121.C14.o1.gs	Method	GENSCAN
Start	908	End	2763
GI	none	Score	.7
Exons	908..1059, 1933..2054, 2336..2763		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14
Gene No.	67233	Strand	-
Start	908	End	2763
Name	OJ991008_04.0121.C14.o1.np	Method	AAT/NAP
Start	978	End	2449
GI	4371292	Score	41
Exons	978..1001, 2332..2449		
GI Descrip.	(AC006260) unknown protein [Arabidopsis thaliana]		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14
Gene No.	67233	Strand	-
Start	908	End	2763
Name	OJ991008_04.0121.C14.o1.gp	Method	AAT/GAP
Start	1705	End	1977
GI	UTB3433-051-P1-K1-H5	Score	400
Exons	1705..1977		
GI Descrip.	'474008/dbj|D29729|RICYK43 1.0e-75 Rice mRNA, partial homologous to ribosomal protein S15 gene'		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14
Gene No.	67233	Strand	-
Start	908	End	2763
Name	OJ991008_04.0121.C14.o2.gp	Method	AAT/GAP
Start	2167	End	2571
GI	none	Score	591
Exons	2167..2571		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14
Gene No.	67234	Strand	-
Start	2664	End	3022
Name	OJ991008_04.0121.C14.o3.gp	Method	AAT/GAP
Start	2664	End	3022
GI	uC-osrocyp010c05b1	Score	607
Exons	2664..3022		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14
Gene No.	67235	Strand	-
Start	3331	End	3388
Name	OJ991008_04.0121.C14.o4.gp	Method	AAT/GAP
Start	3331	End	3388
GI	2312838	Score	67
Exons	3331..3388		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14
Gene No.	67236	Strand	-
Start	4137	End	10984
Name	OJ991008_04.0121.C14.o2.np	Method	AAT/NAP
Start	3823	End	7437
GI	2854153	Score	152
Exons	3823..3840, 5554..5869, 6921..7029, 7344..7437		
GI Descrip.	(AF045640) No definition line found [Caenorhabditis elegans]		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14
Gene No.	67236	Strand	-
Start	4137	End	10984
Name	OJ991008_04.0121.C14.o2.gs	Method	GENSCAN
Start	4137	End	10984
GI	none	Score	.68
Exons	4137..4419, 4973..5004, 5541..5777, 6521..6654, 6921..7029, 7344..7420, 7856..7954, 8293..8436, 8911..9255, 10193..10329, 10796..10984		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14
Gene No.	67236	Strand	-
Start	4137	End	10984
Name	OJ991008_04.0121.C14.o1.tm	Method	TBLASTX:Maize
Start	5559	End	7021
GI	none	Score	420
Exons	5559..5870, 5560..5877, 5560..5877, 6919..7020, 6920..7021		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14

Gene No.	67236	Strand	-
Start	4137	End	10984
Name	OJ991008_04.0121.C14.o1.ts	Method	TBLASTX:Soybean
Start	5709	End	5880
GI	none	Score	99
Exons	5709..5870, 5709..5870, 5710..5877, 5716..5880		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14
Gene No.	67236	Strand	-
Start	4137	End	10984
Name	OJ991008_04.0121.C14.o2.ts	Method	TBLASTX:Soybean
Start	7374	End	8404
GI	none	Score	61
Exons	7374..7421, 7854..7955, 7854..7955, 7855..7956, 8289..8351, 8294..8404, 8297..8401		

Seq. No.	32407	Seq. ID	OJ991008_04.0121.C14
Gene No.	67236	Strand	-
Start	4137	End	10984
Name	OJ991008_04.0121.C14.o2.tm	Method	TBLASTX:Maize
Start	8292	End	8482
GI	none	Score	186
Exons	8292..8444, 8294..8443, 8294..8482		

Seq. No.	32408	Seq. ID	OJ991008_04.0121.C18
Gene No.	67237	Strand	-
Start	53	End	521
Name	OJ991008_04.0121.C18.o1.gs	Method	GENSCAN
Start	53	End	521
GI	none	Score	.61
Exons	53..181, 275..521		

Seq. No.	32409	Seq. ID	OJ991008_04.0121.C20
Gene No.	67238	Strand	+
Start	1	End	461
Name	OJ991008_04.0121.C20.o1.np	Method	AAT/NAP
Start	1	End	461
GI	4680203	Score	533
Exons	1..461		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32409	Seq. ID	OJ991008_04.0121.C20
Gene No.	67238	Strand	+
Start	1	End	461
Name	OJ991008_04.0121.C20.o1.tw	Method	TBLASTX:Wheat
Start	62	End	417
GI	none	Score	101
Exons	62..181, 151..402, 153..401, 154..417, 168..404		

Seq. No.	32409	Seq. ID	OJ991008_04.0121.C20
Gene No.	67238	Strand	+
Start	1	End	461
Name	OJ991008_04.0121.C20.o1.ts	Method	TBLASTX:Soybean
Start	184	End	459
GI	none	Score	238
Exons	184..402, 192..398, 409..459		

Seq. No.	32410	Seq. ID	OJ991008_04.0121.C21
Gene No.	67239	Strand	+
Start	1	End	431
Name	OJ991008_04.0121.C21.o1.np	Method	AAT/NAP
Start	1	End	431
GI	4680204	Score	163
Exons	1..431		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32410	Seq. ID	OJ991008_04.0121.C21
Gene No.	67239	Strand	+
Start	1	End	431
Name	OJ991008_04.0121.C21.o1.gs	Method	GENSCAN
Start	74	End	367
GI	none	Score	.57
Exons	74..367		

Seq. No.	32411	Seq. ID	OJ991008_04.0121.C22
Gene No.	67240	Strand	+
Start	103	End	470
Name	OJ991008_04.0121.C22.o1.gs	Method	GENSCAN
Start	103	End	470
GI	none	Score	.92
Exons	103..200, 294..470		

Seq. No.	32412	Seq. ID	OJ991008_04.0121.C24
Gene No.	67241	Strand	+
Start	1	End	615
Name	OJ991008_04.0121.C24.o1.np	Method	AAT/NAP
Start	1	End	615
GI	4416302	Score	633
Exons	1..615		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	32412	Seq. ID	OJ991008_04.0121.C24
Gene No.	67241	Strand	+
Start	1	End	615
Name	OJ991008_04.0121.C24.o1.tm	Method	TBLASTX:Maize
Start	7	End	594
GI	none	Score	253
Exons	7..237, 9..584, 313..594		

Seq. No.	32413	Seq. ID	OJ991008_04.0121.C28
Gene No.	67242	Strand	+
Start	70	End	130
Name	OJ991008_04.0121.C28.o1.gs	Method	GENSCAN
Start	70	End	130
GI	none	Score	.64
Exons	70..130		

Seq. No.	32414	Seq. ID	OJ991008_04.0121.C30
Gene No.	67243	Strand	+
Start	417	End	810
Name	OJ991008_04.0121.C30.o2.gp	Method	AAT/GAP
Start	417	End	810
GI	none	Score	746
Exons	417..810		

Seq. No.	32414	Seq. ID	OJ991008_04.0121.C30
Gene No.	67244	Strand	-
Start	107	End	392
Name	OJ991008_04.0121.C30.o1.gp	Method	AAT/GAP
Start	107	End	392
GI	5607411	Score	519
Exons	107..392		

Seq. No.	32415	Seq. ID	OJ991008_04.0121.C31
Gene No.	67245	Strand	+
Start	205	End	283
Name	OJ991008_04.0121.C31.o1.gs	Method	GENSCAN
Start	205	End	283
GI	none	Score	.88
Exons	205..283		

Seq. No.	32416	Seq. ID	OJ991008_04.0121.C32
Gene No.	67246	Strand	-
Start	446	End	547
Name	OJ991008_04.0121.C32.o1.gs	Method	GENSCAN
Start	446	End	547
GI	none	Score	.44
Exons	446..547		

Seq. No.	32417	Seq. ID	OJ991008_04.0121.C33
Gene No.	67247	Strand	+
Start	1	End	481
Name	OJ991008_04.0121.C33.o1.np	Method	AAT/NAP
Start	1	End	481
GI	5042448	Score	641
Exons	1..146, 186..481		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	32417	Seq. ID	OJ991008_04.0121.C33
Gene No.	67248	Strand	-
Start	144	End	272
Name	OJ991008_04.0121.C33.o1.gs	Method	GENSCAN
Start	144	End	272
GI	none	Score	.62
Exons	144..272		

Seq. No.	32418	Seq. ID	OJ991008_04.0121.C36
Gene No.	67249	Strand	-
Start	685	End	1933
Name	OJ991008_04.0121.C36.o1.gs	Method	GENSCAN
Start	685	End	1933
GI	none	Score	.67
Exons	685..967, 1861..1933		

Seq. No.	32419	Seq. ID	OJ991008_04.0121.C37
Gene No.	67250	Strand	+
Start	18	End	724
Name	OJ991008_04.0121.C37.o1.gp	Method	AAT/GAP
Start	18	End	724
GI	none	Score	907

Exons	18..110, 219..345, 464..724		
Seq. No.	32419	Seq. ID	OJ991008_04.0121.C37
Gene No.	67250	Strand	+
Start	18	End	724
Name	OJ991008_04.0121.C37.o1.gs	Method	GENSCAN
Start	57	End	579
GI	none	Score	.74
Exons	57..110, 492..579		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o1.np	Method	AAT/NAP
Start	1	End	1470
GI	4680179	Score	2489
Exons	1..1470		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o2.tm	Method	TBLASTX:Maize
Start	31	End	348
GI	none	Score	266
Exons	31..348, 35..337		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o3.tw	Method	TBLASTX:Wheat
Start	31	End	307
GI	none	Score	219
Exons	31..306, 35..307		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o1.gs	Method	GENSCAN
Start	55	End	1425
GI	none	Score	.85
Exons	55..790, 833..1425		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o1.ts	Method	TBLASTX:Soybean
Start	265	End	525
GI	none	Score	154
Exons	265..525, 266..520		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o1.tc	Method	TBLASTX:Cress
Start	289	End	606
GI	none	Score	88

Exons	289..432, 290..430, 433..606		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o2.tw	Method	TBLASTX:Wheat
Start	313	End	789
GI	none	Score	245
Exons	313..789, 314..568, 346..759		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o3.tm	Method	TBLASTX:Maize
Start	349	End	663
GI	none	Score	107
Exons	349..663, 350..553, 361..582		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o1.tw	Method	TBLASTX:Wheat
Start	790	End	1305
GI	none	Score	256
Exons	790..1305, 880..1227, 962..1273		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o1.tm	Method	TBLASTX:Maize
Start	868	End	1233
GI	none	Score	165
Exons	868..1179, 875..1072, 880..1233, 965..1231		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o2.ts	Method	TBLASTX:Soybean
Start	1054	End	1299
GI	none	Score	202
Exons	1054..1299		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o4.tm	Method	TBLASTX:Maize
Start	1240	End	1470
GI	none	Score	123
Exons	1240..1470, 1241..1426		
Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o4.tw	Method	TBLASTX:Wheat
Start	1306	End	1470
GI	none	Score	151
Exons	1306..1470, 1307..1462		

Seq. No.	32420	Seq. ID	OJ991008_04.0121.C40
Gene No.	67251	Strand	-
Start	1	End	1470
Name	OJ991008_04.0121.C40.o3.ts	Method	TBLASTX:Soybean
Start	1321	End	1470
GI	none	Score	95
Exons	1321..1470, 1322..1468		

Seq. No.	32421	Seq. ID	OJ991008_04.0121.C41
Gene No.	67252	Strand	-
Start	1	End	1152
Name	OJ991008_04.0121.C41.o1.np	Method	AAT/NAP
Start	1	End	1152
GI	4680179	Score	1905
Exons	1..1152		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32421	Seq. ID	OJ991008_04.0121.C41
Gene No.	67252	Strand	-
Start	1	End	1152
Name	OJ991008_04.0121.C41.o2.tw	Method	TBLASTX:Wheat
Start	19	End	233
GI	none	Score	127
Exons	19..132, 21..161, 28..147, 163..228, 168..233		

Seq. No.	32421	Seq. ID	OJ991008_04.0121.C41
Gene No.	67252	Strand	-
Start	1	End	1152
Name	OJ991008_04.0121.C41.o1.gs	Method	GENSCAN
Start	101	End	1135
GI	none	Score	.48
Exons	101..284, 335..1135		

Seq. No.	32421	Seq. ID	OJ991008_04.0121.C41
Gene No.	67252	Strand	-
Start	1	End	1152
Name	OJ991008_04.0121.C41.o1.tm	Method	TBLASTX:Maize
Start	491	End	787
GI	none	Score	105
Exons	491..787, 503..787		

Seq. No.	32421	Seq. ID	OJ991008_04.0121.C41
Gene No.	67252	Strand	-
Start	1	End	1152
Name	OJ991008_04.0121.C41.o1.tw	Method	TBLASTX:Wheat
Start	671	End	1031
GI	none	Score	97
Exons	671..1027, 675..902, 927..1031		

Seq. No.	32422	Seq. ID	OJ991008_04.0121.C42
Gene No.	67253	Strand	-
Start	70	End	436
Name	OJ991008_04.0121.C42.o1.gs	Method	GENSCAN
Start	70	End	436
GI	none	Score	.81
Exons	70..125, 284..436		

Seq. No.	32423	Seq. ID	OJ991008_04.0121.C44
Gene No.	67254	Strand	-
Start	193	End	715
Name	OJ991008_04.0121.C44.o1.tw	Method	TBLASTX:Wheat
Start	166	End	570
GI	none	Score	48
Exons	166..318, 167..250, 190..324,	192..323,	426..569, 430..570

Seq. No.	32423	Seq. ID	OJ991008_04.0121.C44
Gene No.	67254	Strand	-
Start	193	End	715
Name	OJ991008_04.0121.C44.o1.ts	Method	TBLASTX:Soybean
Start	172	End	567
GI	none	Score	117
Exons	172..324, 192..323, 426..566,	430..567	

Seq. No.	32423	Seq. ID	OJ991008_04.0121.C44
Gene No.	67254	Strand	-
Start	193	End	715
Name	OJ991008_04.0121.C44.o1.tc	Method	TBLASTX:Cress
Start	190	End	567
GI	none	Score	112
Exons	190..324, 192..323, 426..566,	430..567	

Seq. No.	32423	Seq. ID	OJ991008_04.0121.C44
Gene No.	67254	Strand	-
Start	193	End	715
Name	OJ991008_04.0121.C44.o1.tm	Method	TBLASTX:Maize
Start	190	End	579
GI	none	Score	107
Exons	190..324, 192..323, 426..566,	430..564,	430..579

Seq. No.	32423	Seq. ID	OJ991008_04.0121.C44
Gene No.	67254	Strand	-
Start	193	End	715
Name	OJ991008_04.0121.C44.o1.gs	Method	GENSCAN
Start	193	End	563
GI	none	Score	.88
Exons	193..322, 431..563		

Seq. No.	32423	Seq. ID	OJ991008_04.0121.C44
Gene No.	67254	Strand	-
Start	193	End	715
Name	OJ991008_04.0121.C44.o1.np	Method	AAT/NAP
Start	193	End	563
GI	3941412	Score	435
Exons	193..322, 431..563		
GI Descrip.	(AF062860) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	32423	Seq. ID	OJ991008_04.0121.C44
Gene No.	67254	Strand	-
Start	193	End	715
Name	OJ991008_04.0121.C44.o1.gp	Method	AAT/GAP
Start	226	End	715
GI	uC-osflm202106g04b1	Score	676
Exons	226..322, 431..715		

GI Descrip. '3941412 1.0e-37 (AF062860) putative transcription factor [Arabidopsis thaliana]'

Seq. No.	32424	Seq. ID	OJ991008_04.0121.C46
Gene No.	67255	Strand	+
Start	348	End	419
Name	OJ991008_04.0121.C46.o1.gs	Method	GENSCAN
Start	348	End	419
GI	none	Score	.82
Exons	348..419		

Seq. No.	32424	Seq. ID	OJ991008_04.0121.C46
Gene No.	67256	Strand	-
Start	391	End	471
Name	OJ991008_04.0121.C46.o1.gp	Method	AAT/GAP
Start	391	End	471
GI	21474_1.R1084	Score	141
Exons	391..471		

GI Descrip. '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	32425	Seq. ID	OJ991008_04.0121.C49
Gene No.	67257	Strand	-
Start	530	End	1098
Name	OJ991008_04.0121.C49.o1.gs	Method	GENSCAN
Start	530	End	1098
GI	none	Score	.82
Exons	530..654, 1059..1098		

Seq. No.	32426	Seq. ID	OJ991008_04.0121.C50
Gene No.	67258	Strand	-
Start	1	End	256
Name	OJ991008_04.0121.C50.o1.gp	Method	AAT/GAP
Start	1	End	256
GI	19278_1.R1084	Score	512
Exons	1..256		

GI Descrip. '2462834 8.0e-21 (AF000657) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	32426	Seq. ID	OJ991008_04.0121.C50
Gene No.	67258	Strand	-
Start	1	End	256
Name	OJ991008_04.0121.C50.o1.gs	Method	GENSCAN
Start	68	End	220
GI	none	Score	.94
Exons	68..220		

Seq. No.	32427	Seq. ID	OJ991008_04.0121.C51
Gene No.	67259	Strand	+
Start	172	End	359
Name	OJ991008_04.0121.C51.o1.gs	Method	GENSCAN
Start	172	End	359
GI	none	Score	.67
Exons	172..359		

Seq. No.	32428	Seq. ID	OJ991008_04.0121.C53
Gene No.	67260	Strand	+

Start	1	End	1889
Name	OJ991008_04.0121.C53.o1.gp	Method	AAT/GAP
Start	1	End	1889
GI	342_1.R1084	Score	2176
Exons	1..1217, 1248..1419, 1631..1889		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	32428	Seq. ID	OJ991008_04.0121.C53
Gene No.	67260	Strand	+
Start	1	End	1889
Name	OJ991008_04.0121.C53.o1.np	Method	AAT/NAP
Start	1	End	1119
GI	4680203	Score	993
Exons	1..58, 137..1119		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32428	Seq. ID	OJ991008_04.0121.C53
Gene No.	67260	Strand	+
Start	1	End	1889
Name	OJ991008_04.0121.C53.o1.tw	Method	TBLASTX:Wheat
Start	12	End	1065
GI	none	Score	192
Exons	12..473, 12..650, 13..666, 661..705, 665..700, 708..803, 712..771, 750..890, 751..891, 819..899, 904..984, 973..1065, 999..1064		

Seq. No.	32428	Seq. ID	OJ991008_04.0121.C53
Gene No.	67260	Strand	+
Start	1	End	1889
Name	OJ991008_04.0121.C53.o1.tc	Method	TBLASTX:Cress
Start	32	End	483
GI	none	Score	175
Exons	32..214, 36..473, 36..479, 40..483, 46..483		

Seq. No.	32429	Seq. ID	OJ991008_04.0121.C54
Gene No.	67261	Strand	+
Start	82	End	529
Name	OJ991008_04.0121.C54.o1.gs	Method	GENSCAN
Start	82	End	529
GI	none	Score	.74
Exons	82..154, 249..347, 427..529		

Seq. No.	32430	Seq. ID	OJ991028_06.0121.C1
Gene No.	67262	Strand	-
Start	50	End	124
Name	OJ991028_06.0121.C1.o1.gs	Method	GENSCAN
Start	50	End	124
GI	none	Score	.55
Exons	50..124		

Seq. No.	32431	Seq. ID	OJ991028_06.0121.C2
Gene No.	67263	Strand	+
Start	329	End	362
Name	OJ991028_06.0121.C2.o1.gs	Method	GENSCAN
Start	329	End	362
GI	none	Score	.56

Exons	329..362		
Seq. No.	32432	Seq. ID	OJ991028_06.0121.C4
Gene No.	67264	Strand	+
Start	390	End	501
Name	OJ991028_06.0121.C4.o1.gs	Method	GENSCAN
Start	390	End	501
GI	none	Score	.86
Exons	390..501		
Seq. No.	32432	Seq. ID	OJ991028_06.0121.C4
Gene No.	67265	Strand	+
Start	6209	End	7660
Name	OJ991028_06.0121.C4.o1.np	Method	AAT/NAP
Start	6209	End	7660
GI	6907088	Score	906
Exons	6209..6346, 6522..6763, 7260..7660		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	32432	Seq. ID	OJ991028_06.0121.C4
Gene No.	67266	Strand	-
Start	1033	End	1527
Name	OJ991028_06.0121.C4.o2.gs	Method	GENSCAN
Start	1033	End	1527
GI	none	Score	.66
Exons	1033..1527		
Seq. No.	32432	Seq. ID	OJ991028_06.0121.C4
Gene No.	67267	Strand	-
Start	5655	End	7452
Name	OJ991028_06.0121.C4.o1.gp	Method	AAT/GAP
Start	5347	End	5862
GI	38782_1.R1084	Score	813
Exons	5347..5862		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	32432	Seq. ID	OJ991028_06.0121.C4
Gene No.	67267	Strand	-
Start	5655	End	7452
Name	OJ991028_06.0121.C4.o3.gs	Method	GENSCAN
Start	5655	End	7452
GI	none	Score	.98
Exons	5655..5728, 7381..7452		
Seq. No.	32432	Seq. ID	OJ991028_06.0121.C4
Gene No.	67268	Strand	-
Start	7788	End	7898
Name	OJ991028_06.0121.C4.o2.gp	Method	AAT/GAP
Start	7788	End	7898
GI	uC-osflcyp088b12b1	Score	155
Exons	7788..7898		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	32433	Seq. ID	OJ991028_06.0121.C5
Gene No.	67269	Strand	+

Start	1	End	640
Name	OJ991028_06.0121.C5.o2.np	Method	AAT/NAP
Start	1	End	640
GI	4680183	Score	130
Exons	1..28, 551..640		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	32433	Seq. ID	OJ991028_06.0121.C5
Gene No.	67269	Strand	+
Start	1	End	640
Name	OJ991028_06.0121.C5.o1.gs	Method	GENSCAN
Start	285	End	390
GI	none	Score	.51
Exons	285..390		

Seq. No.	32433	Seq. ID	OJ991028_06.0121.C5
Gene No.	67270	Strand	-
Start	428	End	518
Name	OJ991028_06.0121.C5.o1.np	Method	AAT/NAP
Start	428	End	518
GI	6721561	Score	133
Exons	428..518		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32433	Seq. ID	OJ991028_06.0121.C5
Gene No.	67271	Strand	-
Start	1354	End	6029
Name	OJ991028_06.0121.C5.o2.gs	Method	GENSCAN
Start	1354	End	5919
GI	none	Score	.52
Exons	1354..1514, 1670..1905, 1953..2028, 2577..2651, 3219..3366, 3846..3922, 4070..4287, 4428..4511, 4771..4848, 5048..5225, 5904..5919		

Seq. No.	32433	Seq. ID	OJ991028_06.0121.C5
Gene No.	67271	Strand	-
Start	1354	End	6029
Name	OJ991028_06.0121.C5.o3.np	Method	AAT/NAP
Start	1673	End	6029
GI	1947160	Score	138
Exons	1673..2247, 2439..2715, 5999..6029		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	32433	Seq. ID	OJ991028_06.0121.C5
Gene No.	67271	Strand	-
Start	1354	End	6029
Name	OJ991028_06.0121.C5.o1.gp	Method	AAT/GAP
Start	5543	End	5653
GI	uC-osflcyp088b12b1	Score	154
Exons	5543..5653		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67272	Strand	+
Start	1	End	1504
Name	OJ991028_06.0121.C6.o1.np	Method	AAT/NAP
Start	1	End	1504
GI	6907086	Score	984
Exons	1..370, 428..689, 916..963, 1087..1252, 1303..1504		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67272	Strand	+
Start	1	End	1504
Name	OJ991028_06.0121.C6.o1.gs	Method	GENSCAN
Start	86	End	390
GI	none	Score	.89
Exons	86..390		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67273	Strand	+
Start	4030	End	4339
Name	OJ991028_06.0121.C6.o1.gp	Method	AAT/GAP
Start	4030	End	4339
GI	3107240	Score	315
Exons	4030..4339		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67274	Strand	+
Start	5980	End	7828
Name	OJ991028_06.0121.C6.o4.gs	Method	GENSCAN
Start	5980	End	7828
GI	none	Score	.57
Exons	5980..6186, 6941..6988, 7727..7828		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67275	Strand	+
Start	22123	End	22400
Name	OJ991028_06.0121.C6.o6.gp	Method	AAT/GAP
Start	22123	End	22400
GI	3107306	Score	544
Exons	22123..22400		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67276	Strand	-
Start	4126	End	4831
Name	OJ991028_06.0121.C6.o3.gs	Method	GENSCAN
Start	4126	End	4831
GI	none	Score	.54
Exons	4126..4662, 4760..4831		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67277	Strand	-
Start	8998	End	9878
Name	OJ991028_06.0121.C6.o5.gs	Method	GENSCAN
Start	8998	End	9717
GI	none	Score	.84
Exons	8998..9433, 9485..9717		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67277	Strand	-
Start	8998	End	9878
Name	OJ991028_06.0121.C6.o2.gp	Method	AAT/GAP
Start	9130	End	9324
GI	3107722	Score	390
Exons	9130..9324		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67277	Strand	-
Start	8998	End	9878
Name	OJ991028_06.0121.C6.o3.gp	Method	AAT/GAP
Start	9526	End	9878
GI	286657	Score	702
Exons	9526..9878		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67278	Strand	-
Start	10230	End	14920
Name	OJ991028_06.0121.C6.o6.gs	Method	GENSCAN
Start	10230	End	14837
GI	none	Score	.42
Exons	10230..10249, 10457..10606, 12568..12743, 13248..13273, 13382..13495, 14358..14837		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67278	Strand	-
Start	10230	End	14920
Name	OJ991028_06.0121.C6.o4.gp	Method	AAT/GAP
Start	14670	End	14920
GI	none	Score	474
Exons	14670..14920		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67279	Strand	-
Start	19165	End	22870
Name	OJ991028_06.0121.C6.o5.gp	Method	AAT/GAP
Start	18990	End	19366
GI	3107215	Score	504
Exons	18990..19366		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67279	Strand	-
Start	19165	End	22870
Name	OJ991028_06.0121.C6.o7.gs	Method	GENSCAN
Start	19165	End	19665
GI	none	Score	.7
Exons	19165..19665		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67279	Strand	-
Start	19165	End	22870
Name	OJ991028_06.0121.C6.o2.np	Method	AAT/NAP
Start	19325	End	22870
GI	4115615	Score	446
Exons	19325..19541, 22509..22870		

GI Descrip. (AB014475) root cap-specific glycine-rich protein [Zea mays]

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67279	Strand	-
Start	19165	End	22870
Name	OJ991028_06.0121.C6.o8.gs	Method	GENSCAN
Start	22270	End	22788
GI	none	Score	.89
Exons	22270..22788		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67279	Strand	-
Start	19165	End	22870
Name	OJ991028_06.0121.C6.o7.gp	Method	AAT/GAP
Start	22579	End	22869
GI	4878921	Score	538
Exons	22579..22869		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67280	Strand	-
Start	25671	End	26189
Name	OJ991028_06.0121.C6.o9.gs	Method	GENSCAN
Start	25671	End	26189
GI	none	Score	.54
Exons	25671..26189		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67281	Strand	-
Start	27334	End	29512
Name	OJ991028_06.0121.C6.o10.gs	Method	GENSCAN
Start	27334	End	29512
GI	none	Score	.66
Exons	27334..27389, 28720..29512		

Seq. No.	32434	Seq. ID	OJ991028_06.0121.C6
Gene No.	67281	Strand	-
Start	27334	End	29512
Name	OJ991028_06.0121.C6.o3.np	Method	AAT/NAP
Start	28703	End	29512
GI	1532071	Score	733
Exons	28703..29132, 29160..29512		
GI Descrip.	(Y07781) glycine-rich protein [Zea mays]		

Seq. No.	32435	Seq. ID	OJ991028_06.0121.C7
Gene No.	67282	Strand	-
Start	698	End	810
Name	OJ991028_06.0121.C7.o1.gs	Method	GENSCAN
Start	698	End	810
GI	none	Score	.41
Exons	698..810		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67283	Strand	+
Start	12312	End	12750
Name	OJ991028_06.0121.C8.o4.gp	Method	AAT/GAP
Start	12312	End	12750
GI	3767814	Score	812

Exons	12312..12750		
Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67284	Strand	+
Start	23245	End	23705
Name	OJ991028_06.0121.C8.o7.gp	Method	AAT/GAP
Start	23245	End	23705
GI	none	Score	874
Exons	23245..23705		
Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67285	Strand	+
Start	24055	End	24499
Name	OJ991028_06.0121.C8.o8.gp	Method	AAT/GAP
Start	24055	End	24499
GI	none	Score	524
Exons	24055..24414, 24435..24499		
Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67286	Strand	+
Start	34168	End	36475
Name	OJ991028_06.0121.C8.o6.np	Method	AAT/NAP
Start	34168	End	34782
GI	4755087	Score	380
Exons	34168..34782		
GI Descrip.	(AF031083) aluminum-induced protein; Al-induced protein [Zea mays]		
Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67286	Strand	+
Start	34168	End	36475
Name	OJ991028_06.0121.C8.o9.gs	Method	GENSCAN
Start	34168	End	36475
GI	none	Score	.7
Exons	34168..34751, 35948..36162, 36426..36475		
Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67287	Strand	+
Start	39613	End	44501
Name	OJ991028_06.0121.C8.o11.gp	Method	AAT/GAP
Start	39321	End	39705
GI	uC-osflcyp033a04b1	Score	616
Exons	39321..39705		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67287	Strand	+
Start	39613	End	44501
Name	OJ991028_06.0121.C8.o11.gs	Method	GENSCAN
Start	39613	End	44501
GI	none	Score	.5
Exons	39613..39678, 40537..40668, 40964..42337, 42504..42716, 43297..43540, 43689..43859, 44341..44501		
Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67287	Strand	+

Start	39613	End	44501
Name	OJ991028_06.0121.C8.o8.np	Method	AAT/NAP
Start	41525	End	42250
GI	6324074	Score	135
Exons	41525..41696, 41859..42019, 42146..42250		
GI Descrip.	Contains seven cysteine rich zinc finger motifs of the 'CCHC retroviral-type'; Gis2p gi|1730843|sp|P53849|YNZ5_YEAST HYPOTHETICAL 17.1 KD PROTEIN IN SIP3-MRPL30 INTERGENIC REGION gi|2131945|pir||S63228 hypothetical protein YNL255c - yeast (Saccharomyces cerevisiae) gi|1255963|emb|CAA65489| (X96722) ORF N0852 [Saccharomyces cerevisiae] gi|1302303|emb|CAA96162| (Z71		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67288	Strand	-
Start	5833	End	11950
Name	OJ991028_06.0121.C8.o2.gp	Method	AAT/GAP
Start	5631	End	6077
GI	3767838	Score	829
Exons	5631..6077		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67288	Strand	-
Start	5833	End	11950
Name	OJ991028_06.0121.C8.o2.gs	Method	GENSCAN
Start	5833	End	9987
GI	none	Score	.87
Exons	5833..5977, 6033..6148, 6248..6328, 6406..6549, 6898..6979, 7072..7154, 7248..7352, 7597..7653, 8294..8362, 8552..8662, 8763..9274, 9867..9987		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67288	Strand	-
Start	5833	End	11950
Name	OJ991028_06.0121.C8.o1.np	Method	AAT/NAP
Start	6050	End	9127
GI	3738208	Score	703
Exons	6050..6076, 6406..6549, 6898..6979, 7072..7154, 7248..7352, 7462..7500, 7597..7653, 8294..8362, 8552..8662, 8763..8839, 8938..9127		
GI Descrip.	(AL031853) strong similarity to yeast cell division and spore germination protein Krr1p [Schizosaccharomyces pombe] gi|5578744|dbj|BAA82594.1| (AB030208) Mis3 [Schizosaccharomyces pombe]		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67288	Strand	-
Start	5833	End	11950
Name	OJ991028_06.0121.C8.o3.gp	Method	AAT/GAP
Start	6471	End	7509
GI	LIB3477-007-P1-K1-H1	Score	901
Exons	6471..6549, 6898..6979, 7072..7154, 7248..7509		
GI Descrip.	'3738208/emb|CAA21263| 1.0e-46 (AL031853) strong similarity to human Rev interacting protein Rip-1 [Schizosaccharomyces pombe] >gi_5578744_dbj_BAA82594.1_ (AB030208) Mis3 [Schizosaccharomyces pombe]'		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8

Gene No.	67288	Strand	-
Start	5833	End	11950
Name	OJ991028_06.0121.C8.o2.np	Method	AAT/NAP
Start	9221	End	11694
GI	4884530	Score	152
Exons	9221..9402, 9874..10174, 11659..11694		
GI Descrip.	(AB027430) beta-1,3-glucanase [Oryza sativa]		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67288	Strand	-
Start	5833	End	11950
Name	OJ991028_06.0121.C8.o3.gs	Method	GENSCAN
Start	10940	End	11950
GI	none	Score	.81
Exons	10940..11141, 11603..11713, 11781..11950		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67289	Strand	-
Start	12551	End	13139
Name	OJ991028_06.0121.C8.o4.gs	Method	GENSCAN
Start	12551	End	13120
GI	none	Score	.86
Exons	12551..13120		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67289	Strand	-
Start	12551	End	13139
Name	OJ991028_06.0121.C8.o3.np	Method	AAT/NAP
Start	12554	End	13120
GI	4115615	Score	462
Exons	12554..13120		
GI Descrip.	(AB014475) root cap-specific glycine-rich protein [Zea mays]		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67289	Strand	-
Start	12551	End	13139
Name	OJ991028_06.0121.C8.o5.gp	Method	AAT/GAP
Start	12934	End	13139
GI	428366	Score	412
Exons	12934..13139		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67290	Strand	-
Start	15308	End	16042
Name	OJ991028_06.0121.C8.o6.gp	Method	AAT/GAP
Start	15308	End	15706
GI	none	Score	761
Exons	15308..15706		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67290	Strand	-
Start	15308	End	16042
Name	OJ991028_06.0121.C8.o4.np	Method	AAT/NAP
Start	15452	End	16042
GI	4755087	Score	534
Exons	15452..16042		
GI Descrip.	(AF031083) aluminum-induced protein; Al-induced protein [Zea		

mays]

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67290	Strand	-
Start	15308	End	16042
Name	OJ991028_06.0121.C8.o5.gs	Method	GENSCAN
Start	15461	End	16042
GI	none	Score	.54
Exons	15461..16042		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67291	Strand	-
Start	27414	End	27980
Name	OJ991028_06.0121.C8.o5.np	Method	AAT/NAP
Start	27414	End	27980
GI	4115615	Score	415
Exons	27414..27980		
GI Descrip.	(AB014475) root cap-specific glycine-rich protein [Zea mays]		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67292	Strand	-
Start	29381	End	44171
Name	OJ991028_06.0121.C8.o3.tm	Method	TBLASTX:Maize
Start	1456	End	1746
GI	none	Score	91
Exons	1456..1554, 1564..1746, 1570..1704, 1634..1741		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67292	Strand	-
Start	29381	End	44171
Name	OJ991028_06.0121.C8.o1.tw	Method	TBLASTX:Wheat
Start	1633	End	1944
GI	none	Score	78
Exons	1633..1944, 1793..1927		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67292	Strand	-
Start	29381	End	44171
Name	OJ991028_06.0121.C8.o2.tm	Method	TBLASTX:Maize
Start	6006	End	6552
GI	none	Score	82
Exons	6006..6146, 6006..6149, 6022..6150, 6065..6157, 6230..6331, 6248..6331, 6404..6550, 6405..6551, 6405..6551, 6508..6552		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67292	Strand	-
Start	29381	End	44171
Name	OJ991028_06.0121.C8.o1.ts	Method	TBLASTX:Soybean
Start	6406	End	9077
GI	none	Score	140
Exons	6406..6549, 6911..6988, 7074..7151, 7245..7355, 7246..7356, 7462..7506, 7597..7668, 8294..8365, 8546..8662, 8556..8663, 8760..8840, 8761..8841, 8928..9077, 8933..9037		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67292	Strand	-
Start	29381	End	44171

Name	OJ991028_06.0121.C8.o1.tc	Method	TBLASTX:Cress
Start	6428	End	9077
GI	none	Score	94
Exons	6428..6529, 6460..6549, 6899..6988, 6900..6980, 6938..7000, 7069..7092, 7071..7151, 7086..7157, 7248..7334, 7248..7355, 7252..7353, 7462..7506, 7597..7656, 8294..8365, 8520..8678, 8546..8662, 8760..8840, 8761..8841, 8763..8846, 8933..8998, 8933..9037, 8943..9077		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67292	Strand	-
Start	29381	End	44171
Name	OJ991028_06.0121.C8.o1.tm	Method	TBLASTX:Maize
Start	7317	End	9095
GI	none	Score	38
Exons	7317..7355, 7330..7353, 7461..7502, 7462..7506, 7597..7656, 7598..7654, 8294..8365, 8526..8663, 8546..8662, 8551..8664, 8760..8840, 8761..8841, 8761..8841, 8922..9095, 8931..9047		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67292	Strand	-
Start	29381	End	44171
Name	OJ991028_06.0121.C8.o8.gs	Method	GENSCAN
Start	29381	End	31156
GI	none	Score	.64
Exons	29381..29576, 29631..29753, 30693..31156		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67292	Strand	-
Start	29381	End	44171
Name	OJ991028_06.0121.C8.o7.np	Method	AAT/NAP
Start	30720	End	44171
GI	5852180	Score	636
Exons	30720..30777, 37230..37272, 37982..38392, 38444..38561, 39554..39604, 44132..44171		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67292	Strand	-
Start	29381	End	44171
Name	OJ991028_06.0121.C8.o9.gp	Method	AAT/GAP
Start	31896	End	31950
GI	16490_1.R1084	Score	85
Exons	31896..31950		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67292	Strand	-
Start	29381	End	44171
Name	OJ991028_06.0121.C8.o10.gp	Method	AAT/GAP
Start	36899	End	37271
GI	5816559	Score	547
Exons	36899..37207, 37246..37271		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	32436	Seq. ID	OJ991028_06.0121.C8
Gene No.	67292	Strand	-
Start	29381	End	44171
Name	OJ991028_06.0121.C8.o10.gs	Method	GENSCAN
Start	37695	End	38876
GI	none	Score	.95
Exons	37695..38561, 38718..38876		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67293	Strand	+
Start	637	End	701
Name	OJ991028_06.0121.C9.o1.gp	Method	AAT/GAP
Start	637	End	701
GI	uC-osflcyp177g01a1	Score	77
Exons	637..701		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67294	Strand	+
Start	744	End	6854
Name	OJ991028_06.0121.C9.o1.gs	Method	GENSCAN
Start	744	End	6854
GI	none	Score	.9
Exons	744..3676, 3773..6854		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67294	Strand	+
Start	744	End	6854
Name	OJ991028_06.0121.C9.o1.np	Method	AAT/NAP
Start	744	End	6818
GI	5922631	Score	6699
Exons	744..868, 1127..1371, 1621..1823, 1869..2440, 2483..2634, 2761..3684, 4291..6818		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o7.tw	Method	TBLASTX:Wheat
Start	2045	End	2447
GI	none	Score	293
Exons	2045..2314, 2046..2447		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o6.tw	Method	TBLASTX:Wheat
Start	3024	End	3481
GI	none	Score	149

Exons	3024..3200, 3245..3481, 3249..3479		
Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o7.tm	Method	TBLASTX:Maize
Start	3332	End	3479
GI	none	Score	183
Exons	3332..3478, 3333..3479		
Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o1.tw	Method	TBLASTX:Wheat
Start	3701	End	4157
GI	none	Score	497
Exons	3701..4156, 3702..4157		
Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o3.ts	Method	TBLASTX:Soybean
Start	3741	End	4106
GI	none	Score	139
Exons	3741..3965, 3972..4106		
Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o2.tm	Method	TBLASTX:Maize
Start	3831	End	4187
GI	none	Score	375
Exons	3831..4187, 3872..4177		
Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o3.tw	Method	TBLASTX:Wheat
Start	4272	End	4696
GI	none	Score	444
Exons	4272..4691, 4316..4696		
Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o1.ts	Method	TBLASTX:Soybean
Start	4350	End	4751
GI	none	Score	314
Exons	4350..4751, 4367..4510, 4547..4717		
Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o3.tm	Method	TBLASTX:Maize
Start	4418	End	4862
GI	none	Score	275
Exons	4418..4672, 4419..4673, 4694..4825, 4695..4838, 4836..4862		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o8.tw	Method	TBLASTX:Wheat
Start	4700	End	4985
GI	none	Score	276
Exons	4700..4777, 4701..4982, 4836..4985		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o2.ts	Method	TBLASTX:Soybean
Start	4977	End	5365
GI	none	Score	86
Exons	4977..5081, 4985..5365, 5121..5363		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o5.tw	Method	TBLASTX:Wheat
Start	4986	End	5408
GI	none	Score	414
Exons	4986..5408, 4991..5398		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o6.tm	Method	TBLASTX:Maize
Start	5039	End	5312
GI	none	Score	121
Exons	5039..5209, 5049..5210, 5214..5312, 5229..5288, 5246..5311		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o9.tw	Method	TBLASTX:Wheat
Start	5424	End	5723
GI	none	Score	126
Exons	5424..5558, 5583..5723		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o1.tm	Method	TBLASTX:Maize
Start	5720	End	6083
GI	none	Score	446
Exons	5720..6031, 5721..6044, 5741..6064, 6035..6082, 6036..6083		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o4.tw	Method	TBLASTX:Wheat
Start	5726	End	6113
GI	none	Score	420
Exons	5726..6037, 5727..6113, 5928..6113		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o5.tm	Method	TBLASTX:Maize
Start	6185	End	6458
GI	none	Score	95
Exons	6185..6283, 6186..6284, 6275..6349, 6279..6362, 6372..6458		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o2.tw	Method	TBLASTX:Wheat
Start	6228	End	6842
GI	none	Score	388
Exons	6228..6719, 6248..6337, 6389..6490, 6705..6842		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o4.tm	Method	TBLASTX:Maize
Start	6540	End	6803
GI	none	Score	163
Exons	6540..6722, 6701..6802, 6702..6803		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o2.gs	Method	GENSCAN
Start	7171	End	9480
GI	none	Score	.65
Exons	7171..7619, 7692..7796, 7868..7981, 8120..8320, 8395..9052, 9208..9480		

Seq. No.	32437	Seq. ID	OJ991028_06.0121.C9
Gene No.	67295	Strand	-
Start	7171	End	9738
Name	OJ991028_06.0121.C9.o2.np	Method	AAT/NAP
Start	7174	End	9738
GI	6691716	Score	1357
Exons	7174..7619, 7692..7808, 7958..8057, 8133..8307, 8448..8753, 8835..9011, 9208..9738		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32438	Seq. ID	OJ991028_06.0121.C11
Gene No.	67296	Strand	+
Start	144	End	259
Name	OJ991028_06.0121.C11.o1.gs	Method	GENSCAN
Start	144	End	259
GI	none	Score	.52
Exons	144..259		

Seq. No.	32439	Seq. ID	OJ991028_06.0121.C12
Gene No.	67297	Strand	-
Start	1	End	103
Name	OJ991028_06.0121.C12.o1.gp	Method	AAT/GAP

Start	1	End	103
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	1..103		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32439	Seq. ID	OJ991028_06.0121.C12
Gene No.	67298	Strand	-
Start	320	End	400
Name	OJ991028_06.0121.C12.o1.gs	Method	GENSCAN
Start	320	End	400
GI	none	Score	.63
Exons	320..400		

Seq. No.	32440	Seq. ID	OJ991028_06.0121.C13
Gene No.	67299	Strand	-
Start	1	End	635
Name	OJ991028_06.0121.C13.o1.np	Method	AAT/NAP
Start	1	End	635
GI	5103193	Score	1119
Exons	1..635		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	32440	Seq. ID	OJ991028_06.0121.C13
Gene No.	67299	Strand	-
Start	1	End	635
Name	OJ991028_06.0121.C13.o1.gs	Method	GENSCAN
Start	269	End	544
GI	none	Score	.44
Exons	269..544		

Seq. No.	32441	Seq. ID	OJ991118_06.0131.C1
Gene No.	67300	Strand	-
Start	267	End	739
Name	OJ991118_06.0131.C1.o1.np	Method	AAT/NAP
Start	267	End	739
GI	5042454	Score	91
Exons	267..495, 705..739		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32442	Seq. ID	OJ991118_06.0131.C3
Gene No.	67301	Strand	+
Start	1	End	2317
Name	OJ991118_06.0131.C3.o1.np	Method	AAT/NAP
Start	1	End	2317
GI	3785975	Score	499
Exons	1..22, 813..914, 1003..1071, 1151..1296, 2117..2317		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	32442	Seq. ID	OJ991118_06.0131.C3
Gene No.	67301	Strand	+
Start	1	End	2317
Name	OJ991118_06.0131.C3.o1.gs	Method	GENSCAN
Start	776	End	2309

GI	none	Score	.73
Exons	776..914, 1003..1071, 1373..1441, 1906..1961, 2150..2309		

Seq. No.	32442	Seq. ID	OJ991118_06.0131.C3
Gene No.	67302	Strand	-
Start	815	End	1036
Name	OJ991118_06.0131.C3.o1.gp	Method	AAT/GAP
Start	815	End	1036
GI	none	Score	379
Exons	815..1036		

Seq. No.	32442	Seq. ID	OJ991118_06.0131.C3
Gene No.	67303	Strand	
Start	1388	End	2312
Name	OJ991118_06.0131.C3.o1.ts	Method	TBLASTX:Soybean
Start	1388	End	2312
GI	none	Score	71
Exons	1388..1453, 2141..2311, 2148..2312		

Seq. No.	32443	Seq. ID	OJ991118_06.0131.C4
Gene No.	67304	Strand	+
Start	432	End	3835
Name	OJ991118_06.0131.C4.o1.np	Method	AAT/NAP
Start	432	End	3829
GI	3785975	Score	473
Exons	432..554, 588..795, 1303..1433, 1517..1559, 3672..3829		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	32443	Seq. ID	OJ991118_06.0131.C4
Gene No.	67304	Strand	+
Start	432	End	3835
Name	OJ991118_06.0131.C4.o1.gs	Method	GENSCAN
Start	592	End	3829
GI	none	Score	.65
Exons	592..795, 1342..1433, 1517..1559, 2864..3009, 3056..3182, 3672..3829		

Seq. No.	32443	Seq. ID	OJ991118_06.0131.C4
Gene No.	67304	Strand	+
Start	432	End	3835
Name	OJ991118_06.0131.C4.o1.tm	Method	TBLASTX:Maize
Start	1339	End	3835
GI	none	Score	46
Exons	1339..1374, 1340..1366, 1345..1437, 1377..1433, 1378..1434, 1497..1538, 1499..1561, 1502..1561, 1512..1565, 3668..3835, 3672..3824		

Seq. No.	32444	Seq. ID	OJ991118_06.0131.C9
Gene No.	67305	Strand	+
Start	1	End	772
Name	OJ991118_06.0131.C9.o1.np	Method	AAT/NAP
Start	1	End	646
GI	3785975	Score	177
Exons	1..46, 85..172, 416..646		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	32444	Seq. ID	OJ991118_06.0131.C9

Gene No.	67305	Strand	+
Start	1	End	772
Name	OJ991118_06.0131.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	323
GI	none	Score	188
Exons	1..141, 2..142, 2..157, 3..158, 232..321, 264..323, 267..323		

Seq. No.	32444	Seq. ID	OJ991118_06.0131.C9
Gene No.	67305	Strand	+
Start	1	End	772
Name	OJ991118_06.0131.C9.o1.gs	Method	GENSCAN
Start	267	End	769
GI	none	Score	.79
Exons	267..341, 416..592, 684..769		

Seq. No.	32444	Seq. ID	OJ991118_06.0131.C9
Gene No.	67305	Strand	+
Start	1	End	772
Name	OJ991118_06.0131.C9.o1.ts	Method	TBLASTX:Soybean
Start	268	End	772
GI	4260294	Score	72
Exons	268..345, 278..343, 279..347, 412..591, 416..592, 474..596, 683..772, 684..770		
GI Descrip.	-		

Seq. No.	32445	Seq. ID	OJ991118_06.0131.C10
Gene No.	67306	Strand	+
Start	455	End	2638
Name	OJ991118_06.0131.C10.o1.gs	Method	GENSCAN
Start	455	End	2638
GI	none	Score	.61
Exons	455..509, 2302..2427, 2516..2638		

Seq. No.	32445	Seq. ID	OJ991118_06.0131.C10
Gene No.	67307	Strand	+
Start	3686	End	4094
Name	OJ991118_06.0131.C10.o1.tm	Method	TBLASTX:Maize
Start	451	End	3761
GI	none	Score	71
Exons	451..510, 454..507, 455..514, 2298..2426, 2299..2427, 2513..2629, 2514..2576, 2515..2628, 3402..3530, 3402..3524, 3680..3736, 3681..3761, 3681..3761		

Seq. No.	32445	Seq. ID	OJ991118_06.0131.C10
Gene No.	67307	Strand	+
Start	3686	End	4094
Name	OJ991118_06.0131.C10.o1.gp	Method	AAT/GAP
Start	3686	End	4094
GI	uC-osroM202001c04a1	Score	572
Exons	3686..3820, 3895..4094		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-17 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32446	Seq. ID	OJ991118_06.0131.C11
Gene No.	67308	Strand	+
Start	1	End	1372
Name	OJ991118_06.0131.C11.o1.np	Method	AAT/NAP

Start	1	End	1372
GI	3914142	Score	61
Exons	1..72, 247..603, 1338..1372		
GI Descrip.	EARLY NODULIN 20 PRECURSOR (N-20) gi|1771351|emb|CAA67830| (X99467) ENOD20 [Medicago truncatula]		

Seq. No.	32446	Seq. ID	OJ991118_06.0131.C11
Gene No.	67308	Strand	+
Start	1	End	1372
Name	OJ991118_06.0131.C11.o1.gs	Method	GENSCAN
Start	104	End	772
GI	none	Score	.62
Exons	104..192, 301..772		

Seq. No.	32447	Seq. ID	OJ991118_06.0131.C12
Gene No.	67309	Strand	+
Start	3604	End	3817
Name	OJ991118_06.0131.C12.o1.gs	Method	GENSCAN
Start	3604	End	3817
GI	none	Score	.75
Exons	3604..3817		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67310	Strand	+
Start	288	End	1888
Name	OJ991118_06.0131.C13.o1.gs	Method	GENSCAN
Start	288	End	1888
GI	none	Score	.84
Exons	288..412, 1390..1888		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o1.np	Method	AAT/NAP
Start	3516	End	9590
GI	5922631	Score	6682
Exons	3516..3640, 3899..4143, 4393..4595, 4641..5212, 5255..5406, 5533..6456, 7063..9590		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o7.tw	Method	TBLASTX:Wheat
Start	4817	End	5219
GI	none	Score	293
Exons	4817..5086, 4818..5219		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614

Name	OJ991118_06.0131.C13.o6.tw	Method	TBLASTX:Wheat
Start	5796	End	8304
GI	none	Score	149
Exons	5796..5972, 5859..5972, 6017..6253, 6021..6251, 6357..6473, 8221..8304		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o6.tm	Method	TBLASTX:Maize
Start	6104	End	6251
GI	none	Score	183
Exons	6104..6250, 6105..6251		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o1.tw	Method	TBLASTX:Wheat
Start	6473	End	6929
GI	none	Score	497
Exons	6473..6928, 6474..6929		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o3.ts	Method	TBLASTX:Soybean
Start	6513	End	6878
GI	none	Score	136
Exons	6513..6737, 6744..6878		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o2.tm	Method	TBLASTX:Maize
Start	6603	End	6959
GI	none	Score	375
Exons	6603..6959, 6644..6949, 6666..6959		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o2.tw	Method	TBLASTX:Wheat
Start	7044	End	7468
GI	none	Score	448
Exons	7044..7463, 7088..7468		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o1.ts	Method	TBLASTX:Soybean
Start	7122	End	7523
GI	none	Score	315
Exons	7122..7523, 7139..7282, 7319..7489		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614

Name	OJ991118_06.0131.C13.o3.tm	Method	TBLASTX:Maize
Start	7190	End	7634
GI	none	Score	275
Exons	7190..7444, 7191..7445, 7466..7597, 7467..7610, 7608..7634		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o8.tw	Method	TBLASTX:Wheat
Start	7472	End	7758
GI	none	Score	279
Exons	7472..7549, 7473..7754, 7608..7757, 7660..7758		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o2.ts	Method	TBLASTX:Soybean
Start	7749	End	8137
GI	none	Score	86
Exons	7749..7853, 7757..8137, 7893..8135		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o4.tw	Method	TBLASTX:Wheat
Start	7758	End	8180
GI	none	Score	414
Exons	7758..8180, 7766..8170		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o5.tm	Method	TBLASTX:Maize
Start	8010	End	8264
GI	none	Score	193
Exons	8010..8264		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o1.tm	Method	TBLASTX:Maize
Start	8492	End	8855
GI	none	Score	446
Exons	8492..8803, 8493..8816, 8513..8827, 8807..8854, 8808..8855		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o3.tw	Method	TBLASTX:Wheat
Start	8498	End	8885
GI	none	Score	420
Exons	8498..8809, 8499..8885, 8694..8885		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o5.tw	Method	TBLASTX:Wheat

Start	9000	End	9614
GI	none	Score	263
Exons	9000..9278, 9020..9109, 9161..9262, 9333..9491, 9483..9614		

Seq. No.	32448	Seq. ID	OJ991118_06.0131.C13
Gene No.	67311	Strand	+
Start	3516	End	9614
Name	OJ991118_06.0131.C13.o4.tm	Method	TBLASTX:Maize
Start	9342	End	9577
GI	none	Score	156
Exons	9342..9494, 9473..9577, 9474..9575		

Seq. No.	32449	Seq. ID	OJ991118_06.0131.C14
Gene No.	67312	Strand	-
Start	39	End	2960
Name	OJ991118_06.0131.C14.o1.gs	Method	GENSCAN
Start	39	End	2683
GI	none	Score	.63
Exons	39..487, 560..664, 736..849, 988..1188, 1263..1860, 2079..2404, 2579..2683		

Seq. No.	32449	Seq. ID	OJ991118_06.0131.C14
Gene No.	67312	Strand	-
Start	39	End	2960
Name	OJ991118_06.0131.C14.o1.np	Method	AAT/NAP
Start	42	End	2960
GI	6691716	Score	1997
Exons	42..487, 560..664, 814..925, 1001..1188, 1335..1621, 1703..1895, 2093..2960		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32450	Seq. ID	OJ991118_06.0131.C15
Gene No.	67313	Strand	-
Start	1	End	742
Name	OJ991118_06.0131.C15.o1.gp	Method	AAT/GAP
Start	1	End	708
GI	uC-osroM202001c04b1	Score	569
Exons	1..90, 220..355, 444..559, 648..708		
GI Descrip.	'3785975 1.0e-45 (AC005560) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32450	Seq. ID	OJ991118_06.0131.C15
Gene No.	67313	Strand	-
Start	1	End	742
Name	OJ991118_06.0131.C15.o1.np	Method	AAT/NAP
Start	1	End	742
GI	3785975	Score	190
Exons	1..33, 220..384, 421..559, 648..742		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	32450	Seq. ID	OJ991118_06.0131.C15
Gene No.	67313	Strand	-
Start	1	End	742
Name	OJ991118_06.0131.C15.o1.gs	Method	GENSCAN
Start	220	End	559

GI	none	Score	.98
Exons	220..355, 444..559		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67314	Strand	-
Start	2775	End	12053
Name	OJ991118_06.0131.C17.o1.np	Method	AAT/NAP
Start	2775	End	12053
GI	4996363	Score	1359
Exons	2775..3264, 3292..4493, 6669..6997, 11071..11188, 11996..12053		
GI Descrip.	(AB021264) polyprotein [Arabidopsis thaliana]		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67314	Strand	-
Start	2775	End	12053
Name	OJ991118_06.0131.C17.o1.gp	Method	AAT/GAP
Start	5157	End	5262
GI	uC-osflcyp088b12b1	Score	136
Exons	5157..5262		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67314	Strand	-
Start	2775	End	12053
Name	OJ991118_06.0131.C17.o2.np	Method	AAT/NAP
Start	8602	End	10969
GI	1055224	Score	77
Exons	8602..8625, 10055..10129, 10349..10446, 10654..10729, 10910..10969		
GI Descrip.	(U20977) cellular nucleic acid binding protein [Xenopus laevis]		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67314	Strand	-
Start	2775	End	12053
Name	OJ991118_06.0131.C17.o2.gs	Method	GENSCAN
Start	9587	End	11353
GI	none	Score	.52
Exons	9587..10932, 10967..11107, 11251..11353		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67315	Strand	-
Start	12016	End	12123
Name	OJ991118_06.0131.C17.o3.tw	Method	TBLASTX:Wheat
Start	2784	End	3002
GI	none	Score	120
Exons	2784..3002, 2785..2991		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67315	Strand	-
Start	12016	End	12123
Name	OJ991118_06.0131.C17.o3.tm	Method	TBLASTX:Maize
Start	2811	End	3153
GI	none	Score	43
Exons	2811..2849, 2814..2849, 2850..3149, 2854..3057, 2927..3142, 3100..3153		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67315	Strand	-
Start	12016	End	12123
Name	OJ991118_06.0131.C17.o2.ts	Method	TBLASTX:Soybean
Start	2856	End	3479
GI	none	Score	49
Exons	2856..3269, 2934..3026, 3106..3261, 3252..3479		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67315	Strand	-
Start	12016	End	12123
Name	OJ991118_06.0131.C17.o1.tm	Method	TBLASTX:Maize
Start	3157	End	3644
GI	none	Score	115
Exons	3157..3252, 3159..3260, 3160..3255, 3270..3632, 3270..3644, 3271..3633		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67315	Strand	-
Start	12016	End	12123
Name	OJ991118_06.0131.C17.o1.tw	Method	TBLASTX:Wheat
Start	3164	End	3674
GI	none	Score	34
Exons	3164..3208, 3216..3284, 3217..3285, 3270..3491, 3270..3500, 3271..3540, 3512..3610, 3513..3674, 3514..3669		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67315	Strand	-
Start	12016	End	12123
Name	OJ991118_06.0131.C17.o2.tm	Method	TBLASTX:Maize
Start	3651	End	4056
GI	none	Score	246
Exons	3651..4055, 3654..4055, 3655..4056		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67315	Strand	-
Start	12016	End	12123
Name	OJ991118_06.0131.C17.o1.ts	Method	TBLASTX:Soybean
Start	3855	End	4352
GI	5509260	Score	95
Exons	3855..4352, 3856..4029		
GI Descrip.	-		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67315	Strand	-
Start	12016	End	12123
Name	OJ991118_06.0131.C17.o2.tw	Method	TBLASTX:Wheat
Start	3879	End	4334
GI	none	Score	125
Exons	3879..4211, 3880..4029, 4098..4208, 4242..4334, 4242..4334		

Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67315	Strand	-
Start	12016	End	12123
Name	OJ991118_06.0131.C17.o1.tc	Method	TBLASTX:Cress
Start	3969	End	4221
GI	none	Score	86

Exons	3969..4220, 4060..4221		
Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67315	Strand	-
Start	12016	End	12123
Name	OJ991118_06.0131.C17.o4.tm	Method	TBLASTX:Maize
Start	4056	End	4308
GI	none	Score	216
Exons	4056..4307, 4057..4308		
Seq. No.	32451	Seq. ID	OJ991118_06.0131.C17
Gene No.	67315	Strand	-
Start	12016	End	12123
Name	OJ991118_06.0131.C17.o2.gp	Method	AAT/GAP
Start	12016	End	12123
GI	uC-osflcyp088b12b1	Score	126
Exons	12016..12123		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	32452	Seq. ID	OJ991118_06.0131.C18
Gene No.	67316	Strand	+
Start	1	End	4314
Name	OJ991118_06.0131.C18.o1.np	Method	AAT/NAP
Start	1	End	4314
GI	5852175	Score	136
Exons	1..55, 1166..1288, 1995..2051, 2625..2720, 3337..3383, 4251..4314		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	32453	Seq. ID	OJ991118_06.0131.C19
Gene No.	67317	Strand	+
Start	535	End	3382
Name	OJ991118_06.0131.C19.o1.gs	Method	GENSCAN
Start	535	End	3382
GI	none	Score	.57
Exons	535..549, 1262..1351, 1959..2004, 2696..2792, 2914..3382		
Seq. No.	32453	Seq. ID	OJ991118_06.0131.C19
Gene No.	67318	Strand	-
Start	1	End	5242
Name	OJ991118_06.0131.C19.o1.np	Method	AAT/NAP
Start	1	End	5242
GI	6056391	Score	642
Exons	1..60, 284..1071, 4218..4771, 5019..5242		
GI Descrip.	(AC009324) Similar to retrotransposon proteins [Arabidopsis thaliana]		
Seq. No.	32453	Seq. ID	OJ991118_06.0131.C19
Gene No.	67318	Strand	-
Start	1	End	5242
Name	OJ991118_06.0131.C19.o1.tc	Method	TBLASTX:Cress
Start	290	End	717
GI	none	Score	219
Exons	290..358, 352..717		
Seq. No.	32453	Seq. ID	OJ991118_06.0131.C19

Gene No.	67318	Strand	-
Start	1	End	5242
Name	OJ991118_06.0131.C19.o1.tw	Method	TBLASTX:Wheat
Start	290	End	627
GI	none	Score	79
Exons	290..406, 352..627, 374..574		

Seq. No.	32453	Seq. ID	OJ991118_06.0131.C19
Gene No.	67318	Strand	-
Start	1	End	5242
Name	OJ991118_06.0131.C19.o1.tm	Method	TBLASTX:Maize
Start	299	End	757
GI	none	Score	72
Exons	299..370, 300..371, 352..675, 650..757, 652..753	353..649, 433..651, 648..746,	

Seq. No.	32453	Seq. ID	OJ991118_06.0131.C19
Gene No.	67318	Strand	-
Start	1	End	5242
Name	OJ991118_06.0131.C19.o1.ts	Method	TBLASTX:Soybean
Start	343	End	747
GI	none	Score	215
Exons	343..747		

Seq. No.	32453	Seq. ID	OJ991118_06.0131.C19
Gene No.	67318	Strand	-
Start	1	End	5242
Name	OJ991118_06.0131.C19.o2.tm	Method	TBLASTX:Maize
Start	758	End	1041
GI	none	Score	60
Exons	758..865, 760..858, 783..1037, 871..1041, 875..1039		

Seq. No.	32453	Seq. ID	OJ991118_06.0131.C19
Gene No.	67318	Strand	-
Start	1	End	5242
Name	OJ991118_06.0131.C19.o2.tw	Method	TBLASTX:Wheat
Start	4296	End	4602
GI	none	Score	102
Exons	4296..4595, 4351..4515, 4555..4602		

Seq. No.	32453	Seq. ID	OJ991118_06.0131.C19
Gene No.	67318	Strand	-
Start	1	End	5242
Name	OJ991118_06.0131.C19.o3.tm	Method	TBLASTX:Maize
Start	4353	End	4703
GI	none	Score	74
Exons	4353..4526, 4354..4518, 4536..4703, 4558..4701		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67319	Strand	+
Start	108	End	5293
Name	OJ991118_06.0131.C20.o1.np	Method	AAT/NAP
Start	108	End	5293
GI	5295955	Score	687
Exons	108..132, 1876..2077, 2649..2746, 3288..3402, 4085..4208, 4250..4620, 4724..5293		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555)		

[Oryza sativa]

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67319	Strand	+
Start	108	End	5293
Name	OJ991118_06.0131.C20.o1.gs	Method	GENSCAN
Start	1580	End	2070
GI	none	Score	.98
Exons	1580..1670, 1943..2070		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67320	Strand	+
Start	7470	End	7796
Name	OJ991118_06.0131.C20.o3.gs	Method	GENSCAN
Start	7470	End	7796
GI	none	Score	.99
Exons	7470..7796		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67321	Strand	+
Start	8251	End	13502
Name	OJ991118_06.0131.C20.o3.np	Method	AAT/NAP
Start	8251	End	13502
GI	4996361	Score	870
Exons	8251..8337, 12400..13502		
GI Descrip.	(AB021263) polyprotein [Arabidopsis thaliana]		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67321	Strand	+
Start	8251	End	13502
Name	OJ991118_06.0131.C20.o5.gs	Method	GENSCAN
Start	10826	End	12237
GI	none	Score	.84
Exons	10826..11111, 11117..11757, 11833..12237		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67322	Strand	-
Start	4098	End	10998
Name	OJ991118_06.0131.C20.o2.gs	Method	GENSCAN
Start	4098	End	6447
GI	none	Score	.44
Exons	4098..4149, 4189..4418, 4468..4531, 4624..4717, 6300..6447		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67322	Strand	-
Start	4098	End	10998
Name	OJ991118_06.0131.C20.o2.np	Method	AAT/NAP
Start	4686	End	10998
GI	4680179	Score	678
Exons	4686..4717, 8835..9936, 10964..10998		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67323	Strand	-
Start	12539	End	15010
Name	OJ991118_06.0131.C20.o2.tw	Method	TBLASTX:Wheat
Start	9195	End	9530

GI	none	Score	45
Exons	9195..9530, 9240..9308, 9325..9507, 9345..9509		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67323	Strand	-
Start	12539	End	15010
Name	OJ991118_06.0131.C20.o5.tm	Method	TBLASTX:Maize
Start	9231	End	9530
GI	none	Score	79
Exons	9231..9530, 9346..9507		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67323	Strand	-
Start	12539	End	15010
Name	OJ991118_06.0131.C20.o4.tw	Method	TBLASTX:Wheat
Start	9585	End	9972
GI	none	Score	116
Exons	9585..9758, 9586..9759, 9880..9972		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67323	Strand	-
Start	12539	End	15010
Name	OJ991118_06.0131.C20.o3.tm	Method	TBLASTX:Maize
Start	11500	End	12009
GI	none	Score	82
Exons	11500..11583, 11602..11667, 11709..11966, 11710..12009		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67323	Strand	-
Start	12539	End	15010
Name	OJ991118_06.0131.C20.o4.tm	Method	TBLASTX:Maize
Start	12422	End	12685
GI	none	Score	260
Exons	12422..12685, 12422..12529, 12427..12681, 12589..12675		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67323	Strand	-
Start	12539	End	15010
Name	OJ991118_06.0131.C20.o6.gs	Method	GENSCAN
Start	12539	End	15010
GI	none	Score	.77
Exons	12539..13167, 13402..13503, 13619..14465, 14797..15010		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67323	Strand	-
Start	12539	End	15010
Name	OJ991118_06.0131.C20.o1.tw	Method	TBLASTX:Wheat
Start	12662	End	13093
GI	none	Score	154
Exons	12662..12823, 12667..12822, 12796..13092, 12836..13093, 12845..13093		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67323	Strand	-
Start	12539	End	15010
Name	OJ991118_06.0131.C20.o1.tm	Method	TBLASTX:Maize
Start	12692	End	13150

GI	none	Score	556
Exons	12692..13150, 12703..13149, 12713..13150		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67323	Strand	-
Start	12539	End	15010
Name	OJ991118_06.0131.C20.o1.ts	Method	TBLASTX:Soybean
Start	12857	End	13517
GI	none	Score	308
Exons	12857..13192, 12862..12936, 13048..13191, 13060..13200, 13212..13517, 13269..13385		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67323	Strand	-
Start	12539	End	15010
Name	OJ991118_06.0131.C20.o2.tm	Method	TBLASTX:Maize
Start	13248	End	13529
GI	none	Score	371
Exons	13248..13520, 13253..13528, 13254..13529		

Seq. No.	32454	Seq. ID	OJ991118_06.0131.C20
Gene No.	67323	Strand	-
Start	12539	End	15010
Name	OJ991118_06.0131.C20.o3.tw	Method	TBLASTX:Wheat
Start	13296	End	13493
GI	none	Score	193
Exons	13296..13484, 13307..13483, 13329..13493		

Seq. No.	32455	Seq. ID	OJ991118_06.0131.C21
Gene No.	67324	Strand	+
Start	1937	End	3643
Name	OJ991118_06.0131.C21.o1.np	Method	AAT/NAP
Start	1937	End	3643
GI	5257259	Score	201
Exons	1937..2089, 3566..3643		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	32455	Seq. ID	OJ991118_06.0131.C21
Gene No.	67325	Strand	-
Start	405	End	2515
Name	OJ991118_06.0131.C21.o1.gs	Method	GENSCAN
Start	405	End	2515
GI	none	Score	.72
Exons	405..521, 638..746, 940..1031, 1834..2214, 2366..2515		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67326	Strand	+
Start	303	End	9721
Name	OJ991118_06.0131.C22.o1.gs	Method	GENSCAN
Start	303	End	9602
GI	none	Score	.81
Exons	303..322, 1856..1954, 2242..2388, 2700..2788, 3409..3534, 4509..4794, 4908..5034, 5925..6052, 6137..6206, 6299..6401, 7695..7812, 8398..8627, 8693..9602		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67326	Strand	+

Start	303	End	9721
Name	OJ991118_06.0131.C22.o3.np	Method	AAT/NAP
Start	1173	End	2517
GI	6630699	Score	92
Exons	1173..1195, 2440..2517		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67326	Strand	+
Start	303	End	9721
Name	OJ991118_06.0131.C22.o4.np	Method	AAT/NAP
Start	4575	End	9440
GI	3183570	Score	321
Exons	4575..4609, 4902..5030, 5930..6052, 6137..6206, 6299..6401, 7695..7816, 9339..9440		
GI Descrip.	HYPOTHETICAL 36.8 KD PROTEIN IN DINF-QOR INTERGENIC REGION		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67326	Strand	+
Start	303	End	9721
Name	OJ991118_06.0131.C22.o1.gp	Method	AAT/GAP
Start	5726	End	6218
GI	LIB3474-009-P1-K1-B10	Score	755
Exons	5726..6052, 6137..6218		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67326	Strand	+
Start	303	End	9721
Name	OJ991118_06.0131.C22.o5.np	Method	AAT/NAP
Start	8418	End	9721
GI	5295971	Score	2034
Exons	8418..9721		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67327	Strand	-
Start	1549	End	3623
Name	OJ991118_06.0131.C22.o1.np	Method	AAT/NAP
Start	1549	End	3623
GI	6069646	Score	457
Exons	1549..2396, 3332..3434, 3489..3623		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67327	Strand	-
Start	1549	End	3623
Name	OJ991118_06.0131.C22.o3.tm	Method	TBLASTX:Maize

Start	1582	End	2133
GI	none	Score	286
Exons	1582..2133		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67327	Strand	-
Start	1549	End	3623
Name	OJ991118_06.0131.C22.o5.tm	Method	TBLASTX:Maize
Start	3201	End	3473
GI	none	Score	135
Exons	3201..3473, 3217..3462		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67328	Strand	
Start	4768	End	7779
Name	OJ991118_06.0131.C22.o4.tm	Method	TBLASTX:Maize
Start	4768	End	6011
GI	none	Score	40
Exons	4768..4800, 4769..4792, 4893..5036, 4905..5039, 4906..5052, 5902..5994, 5924..6010, 5925..6011		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67328	Strand	
Start	4768	End	7779
Name	OJ991118_06.0131.C22.o1.tc	Method	TBLASTX:Cress
Start	4872	End	6324
GI	none	Score	78
Exons	4872..5051, 4905..5039, 4906..5058, 5902..6039, 5924..6049, 5925..6047, 6134..6202, 6135..6206, 6295..6324, 6296..6319		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67328	Strand	
Start	4768	End	7779
Name	OJ991118_06.0131.C22.o2.ts	Method	TBLASTX:Soybean
Start	4905	End	5034
GI	none	Score	206
Exons	4905..5033, 4906..5034		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67328	Strand	
Start	4768	End	7779
Name	OJ991118_06.0131.C22.o1.ts	Method	TBLASTX:Soybean
Start	5981	End	6403
GI	none	Score	50
Exons	5981..6013, 5982..6014, 6003..6047, 6134..6202, 6135..6206, 6296..6403, 6298..6372		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67328	Strand	
Start	4768	End	7779
Name	OJ991118_06.0131.C22.o6.tm	Method	TBLASTX:Maize
Start	6290	End	7779
GI	none	Score	87
Exons	6290..6409, 6292..6375, 6296..6406, 7692..7772, 7694..7777, 7696..7779, 7697..7777		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22

Gene No.	67329	Strand	
Start	8773	End	9075
Name	OJ991118_06.0131.C22.o2.tm	Method	TBLASTX:Maize
Start	8773	End	9075
GI	none	Score	40
Exons	8773..8814, 8775..8813, 8776..8814, 8784..8999, 8820..9074, 8860..9075, 8869..9075		

Seq. No.	32456	Seq. ID	OJ991118_06.0131.C22
Gene No.	67330	Strand	
Start	9310	End	9721
Name	OJ991118_06.0131.C22.o1.tm	Method	TBLASTX:Maize
Start	9310	End	9721
GI	none	Score	402
Exons	9310..9585, 9325..9540, 9327..9584, 9566..9595, 9605..9721, 9664..9720		

Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o1.np	Method	AAT/NAP
Start	1	End	2035
GI	6539558	Score	3262
Exons	1..2035		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o4.tm	Method	TBLASTX:Maize
Start	2	End	142
GI	none	Score	200
Exons	2..142, 7..141		

Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o1.gs	Method	GENSCAN
Start	62	End	2026
GI	none	Score	.73
Exons	62..1350, 1416..1504, 1524..1751, 1773..2026		

Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o1.tw	Method	TBLASTX:Wheat
Start	67	End	520
GI	none	Score	349
Exons	67..372, 68..433, 110..460, 440..520, 445..519		

Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o2.tm	Method	TBLASTX:Maize
Start	157	End	397
GI	none	Score	311

Exons	157..396, 158..397		
Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o3.ts	Method	TBLASTX:Soybean
Start	458	End	733
GI	none	Score	197
Exons	458..733, 553..648, 554..634, 626..724		
Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o2.tw	Method	TBLASTX:Wheat
Start	593	End	1141
GI	none	Score	112
Exons	593..733, 791..943, 920..1054, 1061..1141		
Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o1.tm	Method	TBLASTX:Maize
Start	796	End	1219
GI	none	Score	191
Exons	796..927, 800..943, 905..1219, 917..1219		
Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o1.ts	Method	TBLASTX:Soybean
Start	827	End	1303
GI	none	Score	122
Exons	827..943, 832..918, 920..1135, 934..1119, 1157..1303		
Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o1.tc	Method	TBLASTX:Cress
Start	905	End	1279
GI	none	Score	156
Exons	905..1132, 979..1125, 1157..1279		
Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o2.ts	Method	TBLASTX:Soybean
Start	1754	End	2035
GI	5509260	Score	238
Exons	1754..2035, 1801..2013		
GI Descrip.	-		
Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o3.tm	Method	TBLASTX:Maize
Start	1784	End	2035
GI	none	Score	302

Exons	1784..1996, 1793..2035, 1795..2034		
Seq. No.	32457	Seq. ID	OJ991118_06.0131.C23
Gene No.	67331	Strand	+
Start	1	End	2035
Name	OJ991118_06.0131.C23.o3.tw	Method	TBLASTX:Wheat
Start	1792	End	2013
GI	none	Score	193
Exons	1792..2013, 1793..2011		
Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24
Gene No.	67332	Strand	+
Start	1	End	779
Name	OJ991118_06.0131.C24.o1.np	Method	AAT/NAP
Start	1	End	776
GI	5295971	Score	1206
Exons	1..776		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24
Gene No.	67332	Strand	+
Start	1	End	779
Name	OJ991118_06.0131.C24.o3.np	Method	AAT/NAP
Start	1	End	758
GI	3319362	Score	274
Exons	1..758		
GI Descrip.	(AF077408) contains similarity to reverse transcriptase (Pfam: rvt.hmm, score 19.29) [Arabidopsis thaliana]		
Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24
Gene No.	67332	Strand	+
Start	1	End	779
Name	OJ991118_06.0131.C24.o1.gs	Method	GENSCAN
Start	35	End	779
GI	none	Score	.85
Exons	35..252, 269..779		
Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24
Gene No.	67333	Strand	+
Start	1356	End	4665
Name	OJ991118_06.0131.C24.o2.tm	Method	TBLASTX:Maize
Start	44	End	350
GI	none	Score	102
Exons	44..136, 131..253, 132..350		
Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24
Gene No.	67333	Strand	+
Start	1356	End	4665
Name	OJ991118_06.0131.C24.o1.tc	Method	TBLASTX:Cress
Start	83	End	2195
GI	none	Score	61
Exons	83..133, 143..253, 144..368, 275..367, 377..454, 378..458, 525..743, 533..709, 1977..2195, 2002..2190		
Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24

Gene No.	67333	Strand	+
Start	1356	End	4665
Name	OJ991118_06.0131.C24.o1.ts	Method	TBLASTX:Soybean
Start	132	End	2199
GI	none	Score	108
Exons	132..263, 275..436, 276..464,	519..752, 533..619, 2002..2199	

Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24
Gene No.	67333	Strand	+
Start	1356	End	4665
Name	OJ991118_06.0131.C24.o1.tw	Method	TBLASTX:Wheat
Start	297	End	2160
GI	none	Score	114
Exons	297..464, 377..454, 510..713,	519..701, 1990..2148, 2002..2160	

Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24
Gene No.	67333	Strand	+
Start	1356	End	4665
Name	OJ991118_06.0131.C24.o1.tm	Method	TBLASTX:Maize
Start	353	End	2189
GI	none	Score	491
Exons	353..460, 354..740, 356..742, 2002..2187, 2004..2189, 2004..2189	385..594, 435..740, 518..742,	

Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24
Gene No.	67333	Strand	+
Start	1356	End	4665
Name	OJ991118_06.0131.C24.o2.gs	Method	GENSCAN
Start	1356	End	2237
GI	none	Score	.75
Exons	1356..2237		

Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24
Gene No.	67333	Strand	+
Start	1356	End	4665
Name	OJ991118_06.0131.C24.o2.np	Method	AAT/NAP
Start	1356	End	4665
GI	5295971	Score	984
Exons	1356..2003, 4589..4665		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24
Gene No.	67333	Strand	+
Start	1356	End	4665
Name	OJ991118_06.0131.C24.o3.tm	Method	TBLASTX:Maize
Start	1707	End	2000
GI	none	Score	51
Exons	1707..1772, 1737..1778, 1740..1778, 1748..1999, 1799..1927, 1828..1932, 1833..2000		

Seq. No.	32458	Seq. ID	OJ991118_06.0131.C24
Gene No.	67333	Strand	+
Start	1356	End	4665
Name	OJ991118_06.0131.C24.o4.tm	Method	TBLASTX:Maize
Start	3854	End	4664

GI	none	Score	94
Exons	3854..3958, 3880..3954, 3881..3955, 4021..4116, 4032..4115, 4034..4144, 4577..4663, 4590..4664, 4602..4664		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67334	Strand	+
Start	73	End	1326
Name	OJ991118_06.0131.C28.o1.gs	Method	GENSCAN
Start	73	End	1326
GI	none	Score	.68
Exons	73..961, 978..1068, 1070..1326		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67335	Strand	+
Start	3803	End	8676
Name	OJ991118_06.0131.C28.o1.gp	Method	AAT/GAP
Start	3658	End	3906
GI	3761181	Score	400
Exons	3658..3906		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67335	Strand	+
Start	3803	End	8676
Name	OJ991118_06.0131.C28.o3.gs	Method	GENSCAN
Start	3803	End	8676
GI	none	Score	.53
Exons	3803..3863, 3937..4033, 4515..4694, 5496..5793, 8557..8676		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67336	Strand	+
Start	11474	End	15818
Name	OJ991118_06.0131.C28.o2.np	Method	AAT/NAP
Start	11474	End	15196
GI	4726112	Score	896
Exons	11474..11517, 12488..13124, 14285..15196		
GI Descrip.	(AC006436) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67336	Strand	+
Start	11474	End	15818
Name	OJ991118_06.0131.C28.o2.gp	Method	AAT/GAP
Start	12362	End	12789
GI	none	Score	712
Exons	12362..12789		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67336	Strand	+
Start	11474	End	15818
Name	OJ991118_06.0131.C28.o5.gs	Method	GENSCAN
Start	12453	End	15196
GI	none	Score	.45
Exons	12453..13124, 13661..13805, 13956..14005, 14285..15196		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67336	Strand	+

Start	11474	End	15818
Name	OJ991118_06.0131.C28.o3.gp	Method	AAT/GAP
Start	14852	End	15479
GI	79290_1.R1084	Score	1113
Exons	14852..15479		
GI Descrip.	'4558673/gb|AAD22691.1|AC007063_17 4.0e-24 (AC007063) hypothetical protein [Arabidopsis thaliana] >gi_4726112_gb_AAD28312.1_AC006436_3 (AC006436) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67336	Strand	+
Start	11474	End	15818
Name	OJ991118_06.0131.C28.o4.gp	Method	AAT/GAP
Start	15348	End	15818
GI	uC-osf1cyp128b07a1	Score	681
Exons	15348..15427, 15493..15818		
GI Descrip.	'5263319/gb|AAD41421.1|AC007727_10 4.0e-19 (AC007727) ESTs gb_N96028, gb_F14286, gb_T20680, gb_F14443, gb_AA657300 and gb_N65244 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67337	Strand	+
Start	18578	End	22809
Name	OJ991118_06.0131.C28.o7.gs	Method	GENSCAN
Start	18578	End	22795
GI	none	Score	.7
Exons	18578..18951, 18968..19017, 19080..20941, 21005..21088, 21140..22795		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67337	Strand	+
Start	18578	End	22809
Name	OJ991118_06.0131.C28.o4.np	Method	AAT/NAP
Start	19083	End	22809
GI	6498441	Score	4234
Exons	19083..20147, 20478..20941, 21005..21378, 21562..21696, 21871..22176, 22444..22809		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67337	Strand	+
Start	18578	End	22809
Name	OJ991118_06.0131.C28.o5.np	Method	AAT/NAP
Start	19120	End	22809
GI	6498441	Score	4176
Exons	19120..20147, 20478..20941, 21005..21378, 21562..21696, 21871..22176, 22444..22809		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67338	Strand	-
Start	87	End	904

Name	OJ991118_06.0131.C28.o1.np	Method	AAT/NAP
Start	87	End	904
GI	5091512	Score	1016
Exons	87..506, 553..680, 722..904		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67339	Strand	-
Start	1814	End	1933
Name	OJ991118_06.0131.C28.o2.gs	Method	GENSCAN
Start	1814	End	1933
GI	none	Score	.69
Exons	1814..1933		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o3.tw	Method	TBLASTX:Wheat
Start	694	End	20845
GI	none	Score	61
Exons	694..765, 20362..20535, 20363..20845, 20557..20817		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o1.tm	Method	TBLASTX:Maize
Start	14273	End	15183
GI	none	Score	407
Exons	14273..14656, 14276..14662, 14284..14664, 14681..15028, 14684..15175, 14722..15183, 15077..15154		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o5.tw	Method	TBLASTX:Wheat
Start	14654	End	15048
GI	none	Score	210
Exons	14654..15025, 14728..15048		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o4.ts	Method	TBLASTX:Soybean
Start	14836	End	15078
GI	none	Score	225
Exons	14836..15078, 14837..15025, 14940..15068		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o6.gs	Method	GENSCAN
Start	15592	End	16884
GI	none	Score	.49
Exons	15592..15898, 15960..16141, 16173..16393, 16434..16884		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28

Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o4.tm	Method	TBLASTX:Maize
Start	15593	End	15895
GI	none	Score	83
Exons	15593..15634, 15635..15766, 15636..15755, 15637..15771, 15647..15784, 15767..15835, 15772..15894, 15773..15895		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o3.np	Method	AAT/NAP
Start	15600	End	19182
GI	5263319	Score	1273
Exons	15600..16840, 17133..17326, 18100..18162, 19075..19182		
GI Descrip.	(AC007727) ESTs gb|N96028, gb|F14286, gb|T20680, gb|F14443, gb|AA657300 and gb|N65244 come from this gene. [Arabidopsis thaliana]		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o1.tc	Method	TBLASTX:Cress
Start	15727	End	17233
GI	none	Score	83
Exons	15727..15915, 15926..15988, 16004..16117, 16005..16106, 16100..16147, 16149..16214, 16150..16215, 16579..16689, 16690..16755, 16777..16818, 17162..17233		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o2.tm	Method	TBLASTX:Maize
Start	15932	End	16325
GI	none	Score	69
Exons	15932..15982, 15933..15983, 15982..16134, 15983..16147, 15984..16148, 16072..16149, 16149..16259, 16150..16284, 16246..16323, 16248..16325		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o1.ts	Method	TBLASTX:Soybean
Start	15959	End	16263
GI	none	Score	154
Exons	15959..15982, 15983..16117, 15984..16121, 16121..16147, 16149..16262, 16150..16263		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o6.tm	Method	TBLASTX:Maize
Start	16359	End	16615
GI	none	Score	156
Exons	16359..16487, 16359..16484, 16364..16486, 16367..16495, 16436..16555, 16475..16576, 16484..16591, 16523..16615, 16525..16614		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o2.ts	Method	TBLASTX:Soybean
Start	16397	End	17293
GI	none	Score	63
Exons	16397..16486, 16401..16487, 16504..16551, 16561..16683, 16580..16672, 16684..16839, 16700..16858, 17159..17293		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o4.tw	Method	TBLASTX:Wheat
Start	19235	End	19624
GI	none	Score	48
Exons	19235..19276, 19286..19384, 19303..19383, 19351..19590, 19367..19624		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67340	Strand	-
Start	15592	End	20845
Name	OJ991118_06.0131.C28.o7.tm	Method	TBLASTX:Maize
Start	19274	End	19522
GI	none	Score	188
Exons	19274..19522, 19309..19521		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67341	Strand	
Start	21012	End	21499
Name	OJ991118_06.0131.C28.o1.tw	Method	TBLASTX:Wheat
Start	21012	End	21475
GI	none	Score	208
Exons	21012..21455, 21013..21468, 21014..21475, 21014..21469		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67341	Strand	
Start	21012	End	21499
Name	OJ991118_06.0131.C28.o5.ts	Method	TBLASTX:Soybean
Start	21053	End	21418
GI	none	Score	108
Exons	21053..21277, 21284..21418		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67341	Strand	
Start	21012	End	21499
Name	OJ991118_06.0131.C28.o3.tm	Method	TBLASTX:Maize
Start	21143	End	21499
GI	none	Score	392
Exons	21143..21499, 21178..21489, 21383..21499		

Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67342	Strand	
Start	21526	End	22033
Name	OJ991118_06.0131.C28.o5.tm	Method	TBLASTX:Maize
Start	21526	End	21910
GI	none	Score	358

Exons	21526..21891, 21527..21910		
Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67342	Strand	
Start	21526	End	22033
Name	OJ991118_06.0131.C28.o2.tw	Method	TBLASTX:Wheat
Start	21583	End	22003
GI	none	Score	477
Exons	21583..21978, 21584..22003		
Seq. No.	32459	Seq. ID	OJ991118_06.0131.C28
Gene No.	67342	Strand	
Start	21526	End	22033
Name	OJ991118_06.0131.C28.o3.ts	Method	TBLASTX:Soybean
Start	21662	End	22033
GI	none	Score	267
Exons	21662..22033, 21679..21822		
Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67343	Strand	+
Start	1	End	1839
Name	OJ991118_06.0131.C29.o1.np	Method	AAT/NAP
Start	1	End	1836
GI	6498441	Score	2793
Exons	1..1461, 1555..1836		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67343	Strand	+
Start	1	End	1839
Name	OJ991118_06.0131.C29.o1.gs	Method	GENSCAN
Start	67	End	1839
GI	none	Score	1
Exons	67..1839		
Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67344	Strand	-
Start	2461	End	8570
Name	OJ991118_06.0131.C29.o3.tw	Method	TBLASTX:Wheat
Start	37	End	432
GI	none	Score	144
Exons	37..402, 46..198, 177..275, 259..432		
Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67344	Strand	-
Start	2461	End	8570
Name	OJ991118_06.0131.C29.o1.tm	Method	TBLASTX:Maize
Start	706	End	1049
GI	none	Score	366
Exons	706..1029, 735..1016, 900..1049		
Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67344	Strand	-
Start	2461	End	8570
Name	OJ991118_06.0131.C29.o1.tw	Method	TBLASTX:Wheat

Start	843	End	1224
GI	none	Score	373
Exons	843..1193, 844..1224		

Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67344	Strand	-
Start	2461	End	8570
Name	OJ991118_06.0131.C29.o2.tw	Method	TBLASTX:Wheat
Start	1225	End	1827
GI	none	Score	257
Exons	1225..1509, 1230..1508, 1701..1823, 1702..1827		

Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67344	Strand	-
Start	2461	End	8570
Name	OJ991118_06.0131.C29.o3.tm	Method	TBLASTX:Maize
Start	1696	End	1839
GI	none	Score	184
Exons	1696..1839, 1701..1835		

Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67344	Strand	-
Start	2461	End	8570
Name	OJ991118_06.0131.C29.o2.gs	Method	GENSCAN
Start	2461	End	5628
GI	none	Score	.93
Exons	2461..3965, 4031..4317, 4367..5432, 5499..5628		

Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67344	Strand	-
Start	2461	End	8570
Name	OJ991118_06.0131.C29.o2.np	Method	AAT/NAP
Start	2464	End	5628
GI	6907089	Score	4167
Exons	2464..4266, 4367..5628		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67344	Strand	-
Start	2461	End	8570
Name	OJ991118_06.0131.C29.o4.np	Method	AAT/NAP
Start	5069	End	8570
GI	5263318	Score	225
Exons	5069..5099, 7385..7918, 8496..8570		
GI Descrip.	(AC007727) F8K7.9 [Arabidopsis thaliana]		

Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67344	Strand	-
Start	2461	End	8570
Name	OJ991118_06.0131.C29.o3.np	Method	AAT/NAP
Start	6443	End	7390
GI	5922623	Score	143
Exons	6443..6517, 6676..6828, 7305..7390		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67344	Strand	-
Start	2461	End	8570
Name	OJ991118_06.0131.C29.o1.ts	Method	TBLASTX:Soybean
Start	7378	End	7607
GI	none	Score	127
Exons	7378..7596, 7380..7607		

Seq. No.	32460	Seq. ID	OJ991118_06.0131.C29
Gene No.	67344	Strand	-
Start	2461	End	8570
Name	OJ991118_06.0131.C29.o2.tm	Method	TBLASTX:Maize
Start	7554	End	7943
GI	none	Score	73
Exons	7554..7628, 7557..7628, 7673..7753, 7748..7813, 7749..7808, 7806..7943, 7829..7909		

Seq. No.	32461	Seq. ID	OJ991118_06.0131.C31
Gene No.	67345	Strand	+
Start	96	End	1090
Name	OJ991118_06.0131.C31.o1.np	Method	AAT/NAP
Start	96	End	1090
GI	2073450	Score	79
Exons	96..536, 1047..1090		
GI Descrip.	(Y12859) Krm protein [Lotus japonicus]		

Seq. No.	32462	Seq. ID	OJ991118_06.0131.C32
Gene No.	67346	Strand	+
Start	1144	End	1984
Name	OJ991118_06.0131.C32.o1.gs	Method	GENSCAN
Start	1144	End	1984
GI	none	Score	.91
Exons	1144..1244, 1942..1984		

Seq. No.	32463	Seq. ID	OJ991118_06.0131.C33
Gene No.	67347	Strand	+
Start	3911	End	10228
Name	OJ991118_06.0131.C33.o1.np	Method	AAT/NAP
Start	3911	End	10228
GI	6466937	Score	1975
Exons	3911..3960, 5602..6105, 6169..6522, 6555..9712, 10144..10228		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32463	Seq. ID	OJ991118_06.0131.C33
Gene No.	67347	Strand	+
Start	3911	End	10228
Name	OJ991118_06.0131.C33.o2.tw	Method	TBLASTX:Wheat
Start	7037	End	7460
GI	none	Score	153
Exons	7037..7222, 7087..7224, 7254..7382, 7255..7377, 7380..7460		

Seq. No.	32463	Seq. ID	OJ991118_06.0131.C33
Gene No.	67347	Strand	+
Start	3911	End	10228
Name	OJ991118_06.0131.C33.o2.tm	Method	TBLASTX:Maize
Start	7040	End	7514

GI	none	Score	214
Exons	7040..7225, 7040..7189, 7048..7224, 7249..7377, 7272..7382, 7380..7514		

Seq. No.	32463	Seq. ID	OJ991118_06.0131.C33
Gene No.	67347	Strand	+
Start	3911	End	10228
Name	OJ991118_06.0131.C33.o5.tm	Method	TBLASTX:Maize
Start	7543	End	7917
GI	none	Score	85
Exons	7543..7623, 7693..7767, 7750..7917, 7800..7913		

Seq. No.	32463	Seq. ID	OJ991118_06.0131.C33
Gene No.	67347	Strand	+
Start	3911	End	10228
Name	OJ991118_06.0131.C33.o3.tm	Method	TBLASTX:Maize
Start	7962	End	8378
GI	none	Score	334
Exons	7962..8075, 7970..8185, 7971..8378, 8145..8378		

Seq. No.	32463	Seq. ID	OJ991118_06.0131.C33
Gene No.	67347	Strand	+
Start	3911	End	10228
Name	OJ991118_06.0131.C33.o1.tw	Method	TBLASTX:Wheat
Start	8208	End	8561
GI	none	Score	272
Exons	8208..8561		

Seq. No.	32463	Seq. ID	OJ991118_06.0131.C33
Gene No.	67347	Strand	+
Start	3911	End	10228
Name	OJ991118_06.0131.C33.o1.tm	Method	TBLASTX:Maize
Start	8439	End	9037
GI	none	Score	82
Exons	8439..8552, 8570..8806, 8607..8807, 8812..9036, 8813..9037, 8834..9037		

Seq. No.	32463	Seq. ID	OJ991118_06.0131.C33
Gene No.	67347	Strand	+
Start	3911	End	10228
Name	OJ991118_06.0131.C33.o1.ts	Method	TBLASTX:Soybean
Start	8457	End	8807
GI	none	Score	76
Exons	8457..8561, 8570..8749, 8610..8807		

Seq. No.	32463	Seq. ID	OJ991118_06.0131.C33
Gene No.	67347	Strand	+
Start	3911	End	10228
Name	OJ991118_06.0131.C33.o4.tw	Method	TBLASTX:Wheat
Start	8687	End	9037
GI	none	Score	80
Exons	8687..8716, 8688..8807, 8820..8939, 8822..8929, 8825..9037		

Seq. No.	32463	Seq. ID	OJ991118_06.0131.C33
Gene No.	67347	Strand	+
Start	3911	End	10228
Name	OJ991118_06.0131.C33.o4.tm	Method	TBLASTX:Maize

Start	9134	End	9698
GI	none	Score	189
Exons	9134..9385, 9189..9398, 9398..9472, 9540..9698, 9566..9694		

Seq. No.	32463	Seq. ID	OJ991118_06.0131.C33
Gene No.	67347	Strand	+
Start	3911	End	10228
Name	OJ991118_06.0131.C33.o3.tw	Method	TBLASTX:Wheat
Start	9165	End	9475
GI	none	Score	186
Exons	9165..9383, 9167..9385, 9192..9398, 9398..9475		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67348	Strand	+
Start	1	End	4062
Name	OJ991118_06.0131.C34.o1.np	Method	AAT/NAP
Start	1	End	4059
GI	6539558	Score	6621
Exons	1..4059		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67348	Strand	+
Start	1	End	4062
Name	OJ991118_06.0131.C34.o1.gs	Method	GENSCAN
Start	45	End	4062
GI	none	Score	.47
Exons	45..3447, 3484..3660, 3673..4062		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67349	Strand	-
Start	1123	End	1558
Name	OJ991118_06.0131.C34.o1.gp	Method	AAT/GAP
Start	1123	End	1558
GI	uC-osf1M2020118f01a1	Score	781
Exons	1123..1558		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o1.tm	Method	TBLASTX:Maize
Start	198	End	915
GI	none	Score	269
Exons	198..473, 199..474, 216..473, 376..423, 456..488, 494..628, 495..620, 495..650, 553..684, 662..793, 664..915, 667..912		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o2.tw	Method	TBLASTX:Wheat
Start	847	End	1283
GI	none	Score	333

Exons	847..1206, 861..1145, 1213..1281, 1218..1283		
Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o6.tm	Method	TBLASTX:Maize
Start	930	End	1170
GI	none	Score	301
Exons	930..1169, 931..1170		
Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o4.ts	Method	TBLASTX:Soybean
Start	1231	End	1506
GI	none	Score	200
Exons	1231..1506, 1327..1407		
Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o3.tw	Method	TBLASTX:Wheat
Start	1366	End	1917
GI	none	Score	112
Exons	1366..1506, 1564..1830, 1587..1730, 1833..1904, 1837..1917		
Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o2.tm	Method	TBLASTX:Maize
Start	1569	End	1995
GI	none	Score	691
Exons	1569..1994, 1573..1995		
Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o2.ts	Method	TBLASTX:Soybean
Start	1600	End	2077
GI	none	Score	342
Exons	1600..1908, 1605..1895, 1933..2016, 2030..2077		
Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o2.tc	Method	TBLASTX:Cress
Start	1615	End	2016
GI	none	Score	202
Exons	1615..1911, 1665..1697, 1755..1901, 1933..2016		
Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o1.ts	Method	TBLASTX:Soybean
Start	2509	End	3006
GI	5509260	Score	401
Exons	2509..3006, 2589..2768, 2829..2987		

GI Descrip. -

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o5.tm	Method	TBLASTX:Maize
Start	2560	End	2856
GI	none	Score	358
Exons	2560..2856, 2586..2855		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o3.tc	Method	TBLASTX:Cress
Start	2631	End	2895
GI	none	Score	213
Exons	2631..2807, 2632..2895		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o1.tw	Method	TBLASTX:Wheat
Start	2676	End	3231
GI	none	Score	291
Exons	2676..2807, 2677..3021, 2830..2997, 2832..3017, 3007..3231		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o3.tm	Method	TBLASTX:Maize
Start	3058	End	3447
GI	none	Score	596
Exons	3058..3447, 3060..3377, 3175..3447		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o2.gp	Method	AAT/GAP
Start	3231	End	3685
GI	36280_1.R1084	Score	826
Exons	3231..3685		

GI Descrip. '5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o5.tw	Method	TBLASTX:Wheat
Start	3232	End	3543
GI	none	Score	64
Exons	3232..3339, 3364..3543		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035

Name	OJ991118_06.0131.C34.o1.tc	Method	TBLASTX:Cress
Start	3364	End	4026
GI	none	Score	248
Exons	3364..3654, 3426..3536, 3661..3729, 3672..3725, 3808..4026, 3828..3992		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o3.ts	Method	TBLASTX:Soybean
Start	3385	End	4035
GI	none	Score	137
Exons	3385..3546, 3558..3719, 3559..3747, 3802..4035, 3828..3902		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o7.tm	Method	TBLASTX:Maize
Start	3447	End	3630
GI	none	Score	182
Exons	3447..3629, 3448..3630		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o4.tw	Method	TBLASTX:Wheat
Start	3577	End	3996
GI	none	Score	117
Exons	3577..3747, 3660..3734, 3793..3996, 3802..3984		

Seq. No.	32464	Seq. ID	OJ991118_06.0131.C34
Gene No.	67350	Strand	-
Start	3231	End	4035
Name	OJ991118_06.0131.C34.o4.tm	Method	TBLASTX:Maize
Start	3636	End	4025
GI	none	Score	492
Exons	3636..3743, 3637..4023, 3639..4025, 3698..3874, 3718..4023, 3825..4025		

Seq. No.	32465	Seq. ID	OJ991118_06.0131.C35
Gene No.	67351	Strand	+
Start	1	End	2842
Name	OJ991118_06.0131.C35.o1.np	Method	AAT/NAP
Start	1	End	2842
GI	2642431	Score	565
Exons	1..89, 1955..2842		
GI Descrip.	(AC002391) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32465	Seq. ID	OJ991118_06.0131.C35
Gene No.	67351	Strand	+
Start	1	End	2842
Name	OJ991118_06.0131.C35.o1.gs	Method	GENSCAN
Start	282	End	2234
GI	none	Score	.62
Exons	282..395, 455..697, 773..992, 1482..1694, 1816..2234		

Seq. No.	32465	Seq. ID	OJ991118_06.0131.C35
Gene No.	67352	Strand	-
Start	2340	End	2759
Name	OJ991118_06.0131.C35.o1.tw	Method	TBLASTX:Wheat
Start	1396	End	1763
GI	none	Score	367
Exons	1396..1704, 1406..1747, 1406..1744, 1653..1763		

Seq. No.	32465	Seq. ID	OJ991118_06.0131.C35
Gene No.	67352	Strand	-
Start	2340	End	2759
Name	OJ991118_06.0131.C35.o1.ts	Method	TBLASTX:Soybean
Start	1950	End	2438
GI	5509260	Score	186
Exons	1950..2231, 2238..2360, 2367..2438		
GI Descrip.	-		

Seq. No.	32465	Seq. ID	OJ991118_06.0131.C35
Gene No.	67352	Strand	-
Start	2340	End	2759
Name	OJ991118_06.0131.C35.o2.tm	Method	TBLASTX:Maize
Start	1995	End	2231
GI	none	Score	183
Exons	1995..2231, 2042..2215		

Seq. No.	32465	Seq. ID	OJ991118_06.0131.C35
Gene No.	67352	Strand	-
Start	2340	End	2759
Name	OJ991118_06.0131.C35.o1.tc	Method	TBLASTX:Cress
Start	2082	End	2339
GI	none	Score	156
Exons	2082..2252, 2102..2245, 2238..2339		

Seq. No.	32465	Seq. ID	OJ991118_06.0131.C35
Gene No.	67352	Strand	-
Start	2340	End	2759
Name	OJ991118_06.0131.C35.o2.tw	Method	TBLASTX:Wheat
Start	2123	End	2642
GI	none	Score	94
Exons	2123..2236, 2124..2231, 2238..2363, 2367..2459, 2454..2573, 2580..2642		

Seq. No.	32465	Seq. ID	OJ991118_06.0131.C35
Gene No.	67352	Strand	-
Start	2340	End	2759
Name	OJ991118_06.0131.C35.o1.tm	Method	TBLASTX:Maize
Start	2253	End	2669
GI	none	Score	83
Exons	2253..2348, 2255..2389, 2364..2573, 2366..2458, 2571..2669		

Seq. No.	32465	Seq. ID	OJ991118_06.0131.C35
Gene No.	67352	Strand	-
Start	2340	End	2759
Name	OJ991118_06.0131.C35.o2.gs	Method	GENSCAN
Start	2340	End	2759
GI	none	Score	.94
Exons	2340..2627, 2721..2759		

Seq. No.	32466	Seq. ID	OJ991118_06.0131.C36
Gene No.	67353	Strand	+
Start	208	End	607
Name	OJ991118_06.0131.C36.o1.gp	Method	AAT/GAP
Start	208	End	607
GI	LIB3434-004-P1-K1-C7	Score	692
Exons	208..607		
GI Descrip.	'2062705/gb|U90552|HSU90552 5.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	32467	Seq. ID	OJ991118_06.0131.C37
Gene No.	67354	Strand	+
Start	103	End	152
Name	OJ991118_06.0131.C37.o1.gs	Method	GENSCAN
Start	103	End	152
GI	none	Score	.77
Exons	103..152		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67355	Strand	+
Start	1	End	906
Name	OJ991208_08.0128.C1.o1.np	Method	AAT/NAP
Start	1	End	903
GI	6630696	Score	916
Exons	1..903		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67355	Strand	+
Start	1	End	906
Name	OJ991208_08.0128.C1.o1.gs	Method	GENSCAN
Start	391	End	906
GI	none	Score	.46
Exons	391..906		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67356	Strand	+
Start	1612	End	2489
Name	OJ991208_08.0128.C1.o2.gs	Method	GENSCAN
Start	1612	End	2489
GI	none	Score	.76
Exons	1612..1819, 1961..2147, 2180..2489		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67357	Strand	+
Start	6017	End	11219
Name	OJ991208_08.0128.C1.o2.np	Method	AAT/NAP
Start	6017	End	10688
GI	6069646	Score	80
Exons	6017..6040, 10464..10688		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)		

[Oryza sativa]

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67357	Strand	+
Start	6017	End	11219
Name	OJ991208_08.0128.C1.o4.gs	Method	GENSCAN
Start	6919	End	8487
GI	none	Score	.48
Exons	6919..6962, 8314..8350, 8461..8487		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67357	Strand	+
Start	6017	End	11219
Name	OJ991208_08.0128.C1.o5.gs	Method	GENSCAN
Start	9012	End	11219
GI	none	Score	.41
Exons	9012..9153, 9394..9476, 10377..10647, 11161..11219		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67358	Strand	+
Start	11898	End	12224
Name	OJ991208_08.0128.C1.o6.gs	Method	GENSCAN
Start	11898	End	12224
GI	none	Score	.74
Exons	11898..12224		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67359	Strand	+
Start	13207	End	13484
Name	OJ991208_08.0128.C1.o2.gp	Method	AAT/GAP
Start	13207	End	13484
GI	none	Score	363
Exons	13207..13484		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67360	Strand	+
Start	24011	End	25567
Name	OJ991208_08.0128.C1.o8.gs	Method	GENSCAN
Start	24011	End	25567
GI	none	Score	.42
Exons	24011..24280, 24361..24525, 24541..24675, 24856..24958, 25402..25567		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67361	Strand	-
Start	2644	End	6164
Name	OJ991208_08.0128.C1.o3.gs	Method	GENSCAN
Start	2644	End	6164
GI	none	Score	.52
Exons	2644..2667, 4343..4390, 5190..5537, 5916..6164		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67361	Strand	-
Start	2644	End	6164
Name	OJ991208_08.0128.C1.o1.gp	Method	AAT/GAP
Start	5300	End	5974
GI	2799515	Score	445

Exons	5300..5537, 5916..5974		
Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67362	Strand	-
Start	13479	End	23600
Name	OJ991208_08.0128.C1.o2.ts	Method	TBLASTX:Soybean
Start	361	End	639
GI	none	Score	66
Exons	361..411, 430..639, 435..560		
Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67362	Strand	-
Start	13479	End	23600
Name	OJ991208_08.0128.C1.o1.tw	Method	TBLASTX:Wheat
Start	381	End	767
GI	none	Score	582
Exons	381..767, 382..765		
Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67362	Strand	-
Start	13479	End	23600
Name	OJ991208_08.0128.C1.o7.gs	Method	GENSCAN
Start	13479	End	23600
GI	none	Score	.74
Exons	13479..14351, 15509..15648, 15935..16111, 16906..17062, 17176..17349, 17460..17707, 20775..20952, 21098..21249, 22789..23078, 23197..23600		
Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67362	Strand	-
Start	13479	End	23600
Name	OJ991208_08.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	14069	End	17705
GI	none	Score	152
Exons	14069..14248, 14071..14253, 14072..14245, 14073..14354, 14245..14316, 15466..15648, 15507..15653, 15509..15649, 16904..17080, 16904..17062, 16915..17064, 17181..17339, 17182..17349, 17217..17354, 17454..17705, 17490..17696, 17524..17703		
Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67362	Strand	-
Start	13479	End	23600
Name	OJ991208_08.0128.C1.o1.ts	Method	TBLASTX:Soybean
Start	17281	End	17618
GI	none	Score	66
Exons	17281..17349, 17457..17618, 17460..17600, 17524..17613		
Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67362	Strand	-
Start	13479	End	23600
Name	OJ991208_08.0128.C1.o3.gp	Method	AAT/GAP
Start	17602	End	21209
GI	none	Score	852
Exons	17602..17707, 20775..21016, 21098..21209		
Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1

Gene No.	67362	Strand	-
Start	13479	End	23600
Name	OJ991208_08.0128.C1.o3.tm	Method	TBLASTX:Maize
Start	22653	End	22970
GI	none	Score	56
Exons	22653..22724, 22663..22737, 22668..22727, 22799..22951, 22799..22969, 22818..22970		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67362	Strand	-
Start	13479	End	23600
Name	OJ991208_08.0128.C1.o3.np	Method	AAT/NAP
Start	22659	End	23549
GI	3402705	Score	381
Exons	22659..23056, 23163..23549		
GI Descrip.	(AC004261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32468	Seq. ID	OJ991208_08.0128.C1
Gene No.	67362	Strand	-
Start	13479	End	23600
Name	OJ991208_08.0128.C1.o2.tm	Method	TBLASTX:Maize
Start	23015	End	23384
GI	none	Score	39
Exons	23015..23059, 23030..23059, 23157..23219, 23163..23321, 23164..23322, 23268..23384		

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67363	Strand	+
Start	132	End	1413
Name	OJ991208_08.0128.C2.o1.gs	Method	GENSCAN
Start	132	End	1413
GI	none	Score	.77
Exons	132..328, 408..488, 615..848, 961..1038, 1111..1413		

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67364	Strand	+
Start	7990	End	9624
Name	OJ991208_08.0128.C2.o3.gs	Method	GENSCAN
Start	7990	End	9624
GI	none	Score	.55
Exons	7990..8078, 9015..9624		

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67364	Strand	+
Start	7990	End	9624
Name	OJ991208_08.0128.C2.o1.gp	Method	AAT/GAP
Start	8791	End	9348
GI	none	Score	679
Exons	8791..9348		

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67365	Strand	+
Start	12266	End	14191
Name	OJ991208_08.0128.C2.o3.np	Method	AAT/NAP
Start	11945	End	14128
GI	5257262	Score	357
Exons	11945..12039, 12280..12485, 13317..13846, 14042..14128		

GI Descrip. (AP000364) hypothetical protein [Oryza sativa]

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67365	Strand	+
Start	12266	End	14191
Name	OJ991208_08.0128.C2.o3.gp	Method	AAT/GAP
Start	12155	End	13352
GI	4879704	Score	635
Exons	12155..12485, 13317..13352		

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67365	Strand	+
Start	12266	End	14191
Name	OJ991208_08.0128.C2.o5.gs	Method	GENSCAN
Start	12266	End	14191
GI	none	Score	.96
Exons	12266..12485, 13317..14191		

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67366	Strand	-
Start	4283	End	5337
Name	OJ991208_08.0128.C2.o2.gs	Method	GENSCAN
Start	4283	End	5337
GI	none	Score	.95
Exons	4283..4486, 4492..5337		

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67366	Strand	-
Start	4283	End	5337
Name	OJ991208_08.0128.C2.o1.np	Method	AAT/NAP
Start	4360	End	5175
GI	3885338	Score	388
Exons	4360..5094, 5127..5175		

GI Descrip. (AC005623) unknown protein [Arabidopsis thaliana]

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67367	Strand	-
Start	15291	End	22788
Name	OJ991208_08.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	145	End	833
GI	none	Score	185
Exons	145..285, 158..289, 290..331, 290..328, 407..490, 408..512, 609..833, 611..832, 627..833		

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67367	Strand	-
Start	15291	End	22788
Name	OJ991208_08.0128.C2.o2.tm	Method	TBLASTX:Maize
Start	4606	End	5178
GI	none	Score	81
Exons	4606..4782, 4607..4657, 4712..4765, 5065..5109, 5158..5178		

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67367	Strand	-
Start	15291	End	22788
Name	OJ991208_08.0128.C2.o6.gs	Method	GENSCAN
Start	15291	End	22788

GI	none	Score	.61
Exons	15291..15764, 15863..16114, 18294..18707, 18743..18801, 18826..20151, 20180..20291, 21284..21322, 22088..22253, 22340..22462, 22520..22788		

Seq. No.	32469	Seq. ID	OJ991208_08.0128.C2
Gene No.	67367	Strand	-
Start	15291	End	22788
Name	OJ991208_08.0128.C2.o3.tm	Method	TBLASTX:Maize
Start	19301	End	19534
GI	none	Score	136
Exons	19301..19534, 19368..19496, 19384..19500, 19388..19519		

Seq. No.	32470	Seq. ID	OJ991208_08.0128.C3
Gene No.	67368	Strand	+
Start	4230	End	10678
Name	OJ991208_08.0128.C3.o1.gp	Method	AAT/GAP
Start	4230	End	4665
GI	5039025	Score	665
Exons	4230..4665		

Seq. No.	32470	Seq. ID	OJ991208_08.0128.C3
Gene No.	67368	Strand	+
Start	4230	End	10678
Name	OJ991208_08.0128.C3.o1.np	Method	AAT/NAP
Start	4404	End	10678
GI	6721506	Score	140
Exons	4404..4732, 10520..10678		
GI Descrip.	(AP001072) EST AU069682(C1560) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32470	Seq. ID	OJ991208_08.0128.C3
Gene No.	67368	Strand	+
Start	4230	End	10678
Name	OJ991208_08.0128.C3.o2.gs	Method	GENSCAN
Start	6796	End	7483
GI	none	Score	.88
Exons	6796..6852, 7004..7483		

Seq. No.	32470	Seq. ID	OJ991208_08.0128.C3
Gene No.	67369	Strand	+
Start	14209	End	17368
Name	OJ991208_08.0128.C3.o2.np	Method	AAT/NAP
Start	12617	End	16421
GI	6721547	Score	80
Exons	12617..12709, 16374..16421		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	32470	Seq. ID	OJ991208_08.0128.C3
Gene No.	67369	Strand	+
Start	14209	End	17368
Name	OJ991208_08.0128.C3.o4.gs	Method	GENSCAN
Start	14209	End	17368
GI	none	Score	.5
Exons	14209..14784, 14796..15341, 16221..16284, 17121..17156, 17212..17368		

Seq. No.	32470	Seq. ID	OJ991208_08.0128.C3
Gene No.	67370	Strand	-
Start	304	End	4437
Name	OJ991208_08.0128.C3.o1.gs	Method	GENSCAN
Start	304	End	4437
GI	none	Score	.71
Exons	304..372, 1871..1920, 2587..2706, 2960..3017, 3383..3514, 4288..4437		

Seq. No.	32470	Seq. ID	OJ991208_08.0128.C3
Gene No.	67371	Strand	-
Start	8746	End	10807
Name	OJ991208_08.0128.C3.o3.gs	Method	GENSCAN
Start	8746	End	10807
GI	none	Score	.51
Exons	8746..8826, 9150..9242, 9368..9440, 9536..9630, 10300..10387, 10518..10807		

Seq. No.	32471	Seq. ID	OJ991208_08.0128.C4
Gene No.	67372	Strand	+
Start	1	End	1433
Name	OJ991208_08.0128.C4.o1.np	Method	AAT/NAP
Start	1	End	1430
GI	3582328	Score	909
Exons	1..1430		
GI Descrip.	(AC005496) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32471	Seq. ID	OJ991208_08.0128.C4
Gene No.	67372	Strand	+
Start	1	End	1433
Name	OJ991208_08.0128.C4.o1.gs	Method	GENSCAN
Start	134	End	1433
GI	none	Score	.65
Exons	134..1433		

Seq. No.	32471	Seq. ID	OJ991208_08.0128.C4
Gene No.	67373	Strand	-
Start	1	End	2553
Name	OJ991208_08.0128.C4.o2.np	Method	AAT/NAP
Start	1	End	2553
GI	1109849	Score	148
Exons	1..124, 2283..2553		
GI Descrip.	(U41538) proline rich [Caenorhabditis elegans]		

Seq. No.	32471	Seq. ID	OJ991208_08.0128.C4
Gene No.	67373	Strand	-
Start	1	End	2553
Name	OJ991208_08.0128.C4.o2.tc	Method	TBLASTX:Cress
Start	84	End	713
GI	none	Score	80
Exons	84..194, 105..191, 258..590, 272..490, 297..374, 563..712, 597..713		

Seq. No.	32471	Seq. ID	OJ991208_08.0128.C4
Gene No.	67373	Strand	-
Start	1	End	2553
Name	OJ991208_08.0128.C4.o1.tm	Method	TBLASTX:Maize

Start	87	End	1142
GI	none	Score	59
Exons	87..182, 102..194, 102..194, 251..880, 297..623, 300..1142, 315..590, 914..1108		

Seq. No.	32471	Seq. ID	OJ991208_08.0128.C4
Gene No.	67373	Strand	-
Start	1	End	2553
Name	OJ991208_08.0128.C4.o1.tw	Method	TBLASTX:Wheat
Start	90	End	1001
GI	none	Score	52
Exons	90..161, 267..737, 428..736, 480..737, 813..881, 945..1001		

Seq. No.	32471	Seq. ID	OJ991208_08.0128.C4
Gene No.	67373	Strand	-
Start	1	End	2553
Name	OJ991208_08.0128.C4.o1.ts	Method	TBLASTX:Soybean
Start	597	End	1130
GI	none	Score	376
Exons	597..1130, 599..916, 950..1108		

Seq. No.	32471	Seq. ID	OJ991208_08.0128.C4
Gene No.	67373	Strand	-
Start	1	End	2553
Name	OJ991208_08.0128.C4.o1.tc	Method	TBLASTX:Cress
Start	876	End	1433
GI	none	Score	450
Exons	876..1433, 968..1432		

Seq. No.	32471	Seq. ID	OJ991208_08.0128.C4
Gene No.	67373	Strand	-
Start	1	End	2553
Name	OJ991208_08.0128.C4.o2.tm	Method	TBLASTX:Maize
Start	1146	End	1433
GI	none	Score	298
Exons	1146..1433, 1271..1432		

Seq. No.	32471	Seq. ID	OJ991208_08.0128.C4
Gene No.	67373	Strand	-
Start	1	End	2553
Name	OJ991208_08.0128.C4.o2.ts	Method	TBLASTX:Soybean
Start	1146	End	1433
GI	none	Score	315
Exons	1146..1433, 1185..1430, 1238..1432		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67374	Strand	+
Start	8378	End	12864
Name	OJ991208_08.0128.C5.o2.gs	Method	GENSCAN
Start	8378	End	12667
GI	none	Score	.83
Exons	8378..8383, 9494..9598, 9659..9776, 10189..10412, 10568..10622, 11400..11596, 11845..11966, 12052..12199, 12281..12667		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67374	Strand	+
Start	8378	End	12864

Name	OJ991208_08.0128.C5.o3.gp	Method	AAT/GAP
Start	9689	End	11514
GI	uC-osflm202106f09b1	Score	896
Exons	9689..9776, 10189..10412, 10568..10622, 11400..11514		
GI Descrip.	'4809270/gb|AF149413.1|T1N24 2.0e-09 Arabidopsis thaliana BAC T1N24'		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67374	Strand	+
Start	8378	End	12864
Name	OJ991208_08.0128.C5.o3.np	Method	AAT/NAP
Start	10210	End	12864
GI	6630556	Score	904
Exons	10210..10412, 10568..10622, 11400..11596, 11845..11956, 12036..12199, 12348..12417, 12522..12667, 12783..12864		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67374	Strand	+
Start	8378	End	12864
Name	OJ991208_08.0128.C5.o4.gp	Method	AAT/GAP
Start	11395	End	12258
GI	31091_1.R1084	Score	812
Exons	11395..11596, 11845..11966, 12052..12258		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 3.0e-50 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67374	Strand	+
Start	8378	End	12864
Name	OJ991208_08.0128.C5.o5.gp	Method	AAT/GAP
Start	11486	End	12444
GI	31091_1.R1084	Score	773
Exons	11486..11596, 11845..11966, 12052..12199, 12348..12444		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 3.0e-50 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o1.gs	Method	GENSCAN
Start	1319	End	6788
GI	none	Score	.71
Exons	1319..1326, 1736..3503, 3505..3725, 4431..4497, 5107..5277, 6741..6788		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o1.np	Method	AAT/NAP
Start	1725	End	4723
GI	5903099	Score	1215
Exons	1725..3667, 4665..4723		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5

Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	1728	End	2628
GI	none	Score	109
Exons	1728..1775, 1824..2093, 1827..1997, 1849..2094, 2136..2303, 2136..2627, 2164..2628		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o5.ts	Method	TBLASTX:Soybean
Start	1734	End	1994
GI	none	Score	64
Exons	1734..1775, 1827..1973, 1827..1994		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	2205	End	2673
GI	none	Score	75
Exons	2205..2333, 2205..2669, 2209..2388, 2473..2673		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o3.tm	Method	TBLASTX:Maize
Start	2629	End	3056
GI	none	Score	75
Exons	2629..2712, 2629..2769, 2631..2819, 2631..2879, 2877..2996, 2967..3056		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o3.ts	Method	TBLASTX:Soybean
Start	2727	End	3116
GI	none	Score	48
Exons	2727..2894, 2895..3011, 2925..3116, 2956..2991, 3013..3108		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o4.tm	Method	TBLASTX:Maize
Start	3057	End	3663
GI	none	Score	145
Exons	3057..3281, 3060..3257, 3574..3663		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o1.gp	Method	AAT/GAP
Start	5078	End	6871
GI	LIB3433-034-P1-K1-B9	Score	607
Exons	5078..5277, 6741..6871		
GI Descrip.	'5107157/gb|AAD39991.1|AF150084_1 2.0e-20 (AF150084) small zinc		

finger-like protein [Malus domestica]'

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o4.ts	Method	TBLASTX:Soybean
Start	5086	End	5277
GI	none	Score	214
Exons	5086..5277		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o2.tc	Method	TBLASTX:Cress
Start	5098	End	5283
GI	none	Score	73
Exons	5098..5283, 5107..5241		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	5107	End	5283
GI	none	Score	179
Exons	5107..5283		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o5.tm	Method	TBLASTX:Maize
Start	5107	End	5283
GI	none	Score	69
Exons	5107..5283, 5119..5223		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67375	Strand	-
Start	1319	End	6871
Name	OJ991208_08.0128.C5.o2.np	Method	AAT/NAP
Start	5113	End	5333
GI	5107157	Score	189
Exons	5113..5333		
GI Descrip.	(AF150084) small zinc finger-like protein [Malus domestica]		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67376	Strand	
Start	10299	End	12835
Name	OJ991208_08.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	10299	End	12835
GI	none	Score	114
Exons	10299..10412, 10328..10414, 10331..10414, 10532..10624, 10568..10624, 11395..11595, 11397..11594, 11399..11596, 11399..11596, 11843..11956, 11844..11963, 11844..11963, 11845..11964, 12049..12204, 12053..12205, 12053..12205, 12055..12210, 12345..12431, 12347..12418, 12513..12659, 12520..12663, 12521..12706, 12521..12667, 12780..12830, 12780..12830, 12782..12835		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67376	Strand	
Start	10299	End	12835
Name	OJ991208_08.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	10344	End	11545
GI	none	Score	75
Exons	10344..10412, 10567..10623, 10568..10624, 11395..11544, 11399..11545, 11402..11545		

Seq. No.	32472	Seq. ID	OJ991208_08.0128.C5
Gene No.	67376	Strand	
Start	10299	End	12835
Name	OJ991208_08.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	11399	End	12835
GI	none	Score	215
Exons	11399..11548, 11399..11545, 11404..11547, 11544..11594, 11545..11595, 11548..11595, 11549..11596, 11844..11954, 11845..11964, 12064..12204, 12065..12205, 12067..12210, 12068..12205, 12345..12431, 12347..12418, 12520..12675, 12521..12724, 12779..12835, 12780..12830		

Seq. No.	32473	Seq. ID	OJ991208_08.0128.C6
Gene No.	67377	Strand	+
Start	1	End	7854
Name	OJ991208_08.0128.C6.o1.np	Method	AAT/NAP
Start	1	End	3006
GI	6630556	Score	794
Exons	1..44, 375..578, 1282..1400, 1507..1578, 1933..2036, 2176..2232, 2319..2514, 2598..2738, 2851..3006		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	32473	Seq. ID	OJ991208_08.0128.C6
Gene No.	67377	Strand	+
Start	1	End	7854
Name	OJ991208_08.0128.C6.o2.tc	Method	TBLASTX:Cress
Start	389	End	1578
GI	none	Score	214
Exons	389..592, 433..579, 1260..1424, 1274..1384, 1507..1578		

Seq. No.	32473	Seq. ID	OJ991208_08.0128.C6
Gene No.	67377	Strand	+
Start	1	End	7854
Name	OJ991208_08.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	428	End	7853
GI	none	Score	215
Exons	428..589, 430..588, 1260..1403, 1280..1393, 1503..1574, 1507..1578, 2694..2741, 2842..2958, 6345..6461, 6345..6461, 6464..6511, 6465..6512, 6895..7005, 6896..7015, 7124..7270, 7210..7278, 7638..7712, 7640..7723, 7773..7853, 7784..7852		

Seq. No.	32473	Seq. ID	OJ991208_08.0128.C6
Gene No.	67377	Strand	+
Start	1	End	7854
Name	OJ991208_08.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	428	End	7854
GI	none	Score	257

Exons 428..589, 431..589, 432..596, 433..591, 1260..1403, 1275..1400, 1280..1402, 1465..1566, 1506..1577, 1507..1578, 1508..1579, 1913..2032, 1931..2032, 1932..2033, 1932..2039, 2174..2233, 2174..2233, 2316..2522, 2319..2480, 2320..2523, 2320..2544, 2545..2739, 2588..2740, 2589..2744, 2793..2972, 2808..2972, 2842..2973, 4543..4641, 4722..4799, 4741..4800, 6343..6510, 6344..6511, 6345..6512, 6895..7005, 6896..7015, 7104..7265, 7129..7278, 7130..7270, 7616..7741, 7638..7712, 7640..7723, 7773..7853, 7784..7852, 7789..7854

Seq. No.	32473	Seq. ID	OJ991208_08.0128.C6
Gene No.	67377	Strand	+
Start	1	End	7854
Name	OJ991208_08.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	428	End	1407
GI	none	Score	257
Exons	428..589, 431..589, 432..596, 433..606, 433..591, 1260..1403, 1280..1402, 1282..1407		

Seq. No.	32473	Seq. ID	OJ991208_08.0128.C6
Gene No.	67377	Strand	+
Start	1	End	7854
Name	OJ991208_08.0128.C6.o1.gp	Method	AAT/GAP
Start	434	End	3393
GI	14187_1.R1084	Score	2427
Exons	434..578, 1282..1400, 1507..1578, 1933..2036, 2176..2232, 2319..2511, 2595..2738, 2851..3393		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	32473	Seq. ID	OJ991208_08.0128.C6
Gene No.	67377	Strand	+
Start	1	End	7854
Name	OJ991208_08.0128.C6.o1.gs	Method	GENSCAN
Start	503	End	6518
GI	none	Score	.64
Exons	503..578, 1282..1463, 1507..1578, 1933..2036, 2176..2232, 2319..2505, 2595..2738, 2868..2987, 3570..3599, 4107..4298, 4398..4641, 5913..6065, 6322..6518		

Seq. No.	32473	Seq. ID	OJ991208_08.0128.C6
Gene No.	67377	Strand	+
Start	1	End	7854
Name	OJ991208_08.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	1913	End	2693
GI	none	Score	73
Exons	1913..1972, 1962..2039, 2174..2230, 2174..2239, 2313..2495, 2317..2493, 2589..2693, 2600..2692		

Seq. No.	32473	Seq. ID	OJ991208_08.0128.C6
Gene No.	67377	Strand	+
Start	1	End	7854
Name	OJ991208_08.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	1959	End	2955
GI	none	Score	83
Exons	1959..2039, 2174..2230, 2174..2227, 2317..2466, 2319..2414, 2446..2532, 2589..2699, 2660..2731, 2670..2738, 2823..2936,		

2842..2955

Seq. No.	32473	Seq. ID	OJ991208_08.0128.C6
Gene No.	67377	Strand	+
Start	1	End	7854
Name	OJ991208_08.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	2171	End	2523
GI	none	Score	96
Exons	2171..2233, 2172..2234, 2174..2233, 2304..2480, 2316..2522, 2320..2523		

Seq. No.	32473	Seq. ID	OJ991208_08.0128.C6
Gene No.	67377	Strand	+
Start	1	End	7854
Name	OJ991208_08.0128.C6.o2.np	Method	AAT/NAP
Start	3546	End	7854
GI	6630556	Score	612
Exons	3546..3643, 4545..4641, 4744..4798, 6322..6512, 6896..7017, 7111..7264, 7641..7710, 7786..7854		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	32474	Seq. ID	OJ991208_08.0128.C7
Gene No.	67378	Strand	+
Start	1	End	3760
Name	OJ991208_08.0128.C7.o1.np	Method	AAT/NAP
Start	1	End	3760
GI	6630556	Score	724
Exons	1..96, 262..426, 892..996, 1132..1203, 2196..2299, 2593..2649, 2742..2934, 3150..3293, 3616..3760		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	32474	Seq. ID	OJ991208_08.0128.C7
Gene No.	67378	Strand	+
Start	1	End	3760
Name	OJ991208_08.0128.C7.o2.tw	Method	TBLASTX:Wheat
Start	237	End	1013
GI	none	Score	117
Exons	237..386, 237..386, 241..387, 867..998, 878..1003, 880..999, 888..1013		

Seq. No.	32474	Seq. ID	OJ991208_08.0128.C7
Gene No.	67378	Strand	+
Start	1	End	3760
Name	OJ991208_08.0128.C7.o1.tm	Method	TBLASTX:Maize
Start	241	End	3717
GI	none	Score	180
Exons	241..387, 251..385, 252..386, 260..400, 878..997, 880..1041, 888..1013, 1132..1203, 2193..2297, 2201..2299, 2591..2647, 2591..2644, 2738..2935, 2739..2936, 2740..2937, 2742..2939, 3147..3305, 3152..3301, 3613..3717, 3615..3716		

Seq. No.	32474	Seq. ID	OJ991208_08.0128.C7
Gene No.	67378	Strand	+
Start	1	End	3760
Name	OJ991208_08.0128.C7.o1.ts	Method	TBLASTX:Soybean

Start	241	End	3305
GI	none	Score	179
Exons	241..387, 252..386, 259..393, 870..998, 879..980, 880..999, 1132..1203, 2186..2284, 2193..2297, 2193..2285, 2201..2299, 2590..2625, 2590..2643, 2591..2647, 2736..2834, 2739..2906, 2743..2910, 3147..3206, 3228..3305		

Seq. No.	32474	Seq. ID	OJ991208_08.0128.C7
Gene No.	67378	Strand	+
Start	1	End	3760
Name	OJ991208_08.0128.C7.o1.tc	Method	TBLASTX:Cress
Start	252	End	2248
GI	none	Score	167
Exons	252..386, 256..387, 259..399, 879..1013, 880..1008, 1132..1203, 2193..2243, 2201..2248, 2201..2248		

Seq. No.	32474	Seq. ID	OJ991208_08.0128.C7
Gene No.	67378	Strand	+
Start	1	End	3760
Name	OJ991208_08.0128.C7.o1.gs	Method	GENSCAN
Start	331	End	3714
GI	none	Score	.89
Exons	331..412, 878..996, 1132..1203, 2196..2299, 2593..2649, 2742..2934, 3150..3293, 3616..3714		

Seq. No.	32474	Seq. ID	OJ991208_08.0128.C7
Gene No.	67378	Strand	+
Start	1	End	3760
Name	OJ991208_08.0128.C7.o2.tc	Method	TBLASTX:Cress
Start	2249	End	3293
GI	none	Score	81
Exons	2249..2299, 2382..2456, 2591..2647, 2591..2647, 2743..2841, 2745..2834, 3228..3293		

Seq. No.	32474	Seq. ID	OJ991208_08.0128.C7
Gene No.	67378	Strand	+
Start	1	End	3760
Name	OJ991208_08.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	2588	End	2937
GI	none	Score	62
Exons	2588..2644, 2589..2645, 2589..2651, 2591..2647, 2736..2933, 2738..2929, 2739..2933, 2740..2937		

Seq. No.	32475	Seq. ID	OJ991208_08.0128.C8
Gene No.	67379	Strand	+
Start	1066	End	2347
Name	OJ991208_08.0128.C8.o1.gs	Method	GENSCAN
Start	1066	End	2347
GI	none	Score	.43
Exons	1066..1112, 1576..1649, 1846..2086, 2164..2347		

Seq. No.	32476	Seq. ID	OJ991208_08.0128.C9
Gene No.	67380	Strand	+
Start	5314	End	5486
Name	OJ991208_08.0128.C9.o1.gp	Method	AAT/GAP
Start	5314	End	5486
GI	LIB3433-026-P1-K1-C1	Score	254

Exons	5314..5486		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	32476	Seq. ID	OJ991208_08.0128.C9
Gene No.	67381	Strand	+
Start	8058	End	8465
Name	OJ991208_08.0128.C9.o2.gp	Method	AAT/GAP
Start	8058	End	8465
GI	none	Score	751
Exons	8058..8465		
Seq. No.	32476	Seq. ID	OJ991208_08.0128.C9
Gene No.	67382	Strand	-
Start	2009	End	8544
Name	OJ991208_08.0128.C9.o1.gs	Method	GENSCAN
Start	2009	End	8544
GI	none	Score	.58
Exons	2009..2348, 2365..2474, 2527..2630, 3017..3224, 3231..3282, 3313..3496, 3629..3874, 4658..4692, 7733..7868, 8496..8544		
Seq. No.	32476	Seq. ID	OJ991208_08.0128.C9
Gene No.	67382	Strand	-
Start	2009	End	8544
Name	OJ991208_08.0128.C9.o1.np	Method	AAT/NAP
Start	2012	End	6117
GI	6815053	Score	765
Exons	2012..2249, 2299..2474, 5971..6117		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	32477	Seq. ID	OJ991208_08.0128.C10
Gene No.	67383	Strand	+
Start	1722	End	3189
Name	OJ991208_08.0128.C10.o1.gs	Method	GENSCAN
Start	1722	End	3189
GI	none	Score	.51
Exons	1722..1808, 2387..2584, 3081..3189		
Seq. No.	32477	Seq. ID	OJ991208_08.0128.C10
Gene No.	67384	Strand	+
Start	4020	End	4179
Name	OJ991208_08.0128.C10.o2.gp	Method	AAT/GAP
Start	4020	End	4179
GI	LIB3434-035-P1-K1-A7	Score	285
Exons	4020..4179		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	32477	Seq. ID	OJ991208_08.0128.C10
Gene No.	67385	Strand	-
Start	1	End	2602
Name	OJ991208_08.0128.C10.o1.gp	Method	AAT/GAP
Start	1	End	2602
GI	none	Score	782
Exons	1..196, 2374..2602		
Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11

Gene No.	67386	Strand	+
Start	5105	End	11760
Name	OJ991208_08.0128.C11.o3.np	Method	AAT/NAP
Start	5105	End	11760
GI	6630556	Score	1610
Exons	5105..5297, 5769..5823, 6406..6602, 6987..7108, 7192..7345, 7652..7720, 8137..8283, 8376..8421, 8521..8573, 8734..8878, 9364..9482, 9584..9655, 10081..10187, 10493..10549, 10641..10833, 11015..11158, 11604..11760		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67386	Strand	+
Start	5105	End	11760
Name	OJ991208_08.0128.C11.o3.gs	Method	GENSCAN
Start	7656	End	11212
GI	none	Score	.67
Exons	7656..7664, 8734..8878, 9364..9469, 10026..10187, 10493..10603, 10641..10833, 11015..11212		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67387	Strand	-
Start	134	End	7067
Name	OJ991208_08.0128.C11.o1.gs	Method	GENSCAN
Start	134	End	3647
GI	none	Score	.64
Exons	134..786, 1656..1929, 3008..3208, 3384..3496, 3584..3647		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67387	Strand	-
Start	134	End	7067
Name	OJ991208_08.0128.C11.o1.np	Method	AAT/NAP
Start	2383	End	7067
GI	6069646	Score	409
Exons	2383..3382, 7046..7067		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67387	Strand	-
Start	134	End	7067
Name	OJ991208_08.0128.C11.o2.gs	Method	GENSCAN
Start	4325	End	4670
GI	none	Score	.7
Exons	4325..4405, 4494..4670		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o2.tm	Method	TBLASTX:Maize
Start	2401	End	2963
GI	none	Score	113
Exons	2401..2628, 2656..2745, 2754..2963, 2755..2913		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o4.tw	Method	TBLASTX:Wheat
Start	2808	End	3184
GI	none	Score	105
Exons	2808..2969, 3047..3184		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o3.tm	Method	TBLASTX:Maize
Start	3273	End	3659
GI	none	Score	121
Exons	3273..3659, 3298..3657		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o3.tw	Method	TBLASTX:Wheat
Start	3348	End	3669
GI	none	Score	46
Exons	3348..3503, 3352..3441, 3492..3659, 3493..3669		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o1.tm	Method	TBLASTX:Maize
Start	5150	End	11696
GI	none	Score	96
Exons	5150..5302, 5217..5297, 5766..5825, 5767..5829, 5769..5849, 6404..6601, 6405..6602, 6986..7105, 6987..7106, 7203..7346, 7210..7344, 7211..7351, 7249..7362, 7271..7351, 7649..7735, 7651..7722, 8136..8279, 8137..8295, 8373..8423, 8375..8407, 8501..8575, 8514..8573, 8690..8881, 8730..8882, 8732..8881, 8752..8889, 9348..9509, 9362..9484, 9574..9666, 9578..9667, 10078..10104, 10112..10180, 10113..10187, 10125..10184, 10489..10542, 10491..10571, 10491..10574, 10638..10835, 10639..10836, 11009..11158, 11017..11157, 11601..11696		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o2.tc	Method	TBLASTX:Cress
Start	5229	End	6551
GI	none	Score	69
Exons	5229..5297, 5768..5803, 5769..5822, 6404..6550, 6405..6551		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o1.ts	Method	TBLASTX:Soybean
Start	6405	End	11690
GI	none	Score	206
Exons	6405..6554, 6407..6550, 6554..6601, 6555..6602, 6987..7097, 7202..7351, 7204..7383, 7649..7735, 8129..8281, 8130..8282,		

8136..8294, 8137..8295, 8372..8404, 8373..8423, 8514..8573,
8733..8879, 8752..8889, 9339..9482, 9362..9484, 9362..9484,
9363..9485, 9578..9667, 9580..9666, 10116..10187, 10490..10525,
10490..10564, 10491..10571, 10635..10730, 10638..10730,
10642..10815, 11009..11071, 11093..11158, 11601..11690

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o2.tw	Method	TBLASTX:Wheat
Start	8603	End	9485
GI	none	Score	157
Exons	8603..8623, 8730..8882, 8732..8881, 8752..8889, 9339..9482, 9348..9485, 9362..9484		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o1.tc	Method	TBLASTX:Cress
Start	8726	End	9667
GI	none	Score	71
Exons	8726..8878, 8733..8864, 8752..8892, 9348..9509, 9359..9466, 9578..9667		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o1.tw	Method	TBLASTX:Wheat
Start	10479	End	10840
GI	none	Score	105
Exons	10479..10571, 10485..10550, 10638..10832, 10639..10836, 10664..10840		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o3.tc	Method	TBLASTX:Cress
Start	12555	End	12790
GI	none	Score	60
Exons	12555..12620, 12571..12618, 12694..12789, 12695..12787, 12695..12790		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o4.tm	Method	TBLASTX:Maize
Start	12556	End	12774
GI	none	Score	75
Exons	12556..12615, 12558..12626, 12562..12615, 12697..12771, 12697..12774, 12698..12772		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o1.gp	Method	AAT/GAP
Start	12696	End	13068
GI	9263_1.R1084	Score	378

Exons	12696..12784, 12886..13068		
GI Descrip.	'5817065/emb|CAB53665.1| 6.0e-11 (AL110160) hypothetical protein [Homo sapiens]'		

Seq. No.	32478	Seq. ID	OJ991208_08.0128.C11
Gene No.	67388	Strand	-
Start	12696	End	13538
Name	OJ991208_08.0128.C11.o2.gp	Method	AAT/GAP
Start	12745	End	13538
GI	9263_1.R1084	Score	379
Exons	12745..12784, 12886..13023, 13466..13538		
GI Descrip.	'5817065/emb|CAB53665.1| 6.0e-11 (AL110160) hypothetical protein [Homo sapiens]'		

Seq. No.	32479	Seq. ID	OJ991208_08.0128.C12
Gene No.	67389	Strand	+
Start	199	End	274
Name	OJ991208_08.0128.C12.o1.gs	Method	GENSCAN
Start	199	End	274
GI	none	Score	.44
Exons	199..274		

Seq. No.	32480	Seq. ID	OJ991208_08.0128.C13
Gene No.	67390	Strand	-
Start	1	End	552
Name	OJ991208_08.0128.C13.o1.np	Method	AAT/NAP
Start	1	End	336
GI	5107819	Score	128
Exons	1..42, 182..336		
GI Descrip.	(AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]		

Seq. No.	32480	Seq. ID	OJ991208_08.0128.C13
Gene No.	67390	Strand	-
Start	1	End	552
Name	OJ991208_08.0128.C13.o1.tm	Method	TBLASTX:Maize
Start	182	End	552
GI	none	Score	156
Exons	182..301, 189..311, 190..315, 505..552	195..311, 246..347, 285..338,	

Seq. No.	32480	Seq. ID	OJ991208_08.0128.C13
Gene No.	67390	Strand	-
Start	1	End	552
Name	OJ991208_08.0128.C13.o1.tw	Method	TBLASTX:Wheat
Start	182	End	468
GI	none	Score	165
Exons	182..301, 189..311, 190..315, 448..468	192..311, 295..336, 314..340,	

Seq. No.	32480	Seq. ID	OJ991208_08.0128.C13
Gene No.	67390	Strand	-
Start	1	End	552
Name	OJ991208_08.0128.C13.o1.gs	Method	GENSCAN
Start	193	End	268
GI	none	Score	.94
Exons	193..268		

Seq. No.	32481	Seq. ID	OJ991208_04.0128.C1
Gene No.	67391	Strand	-
Start	1	End	299
Name	OJ991208_04.0128.C1.o1.gp	Method	AAT/GAP
Start	1	End	299
GI	none	Score	535
Exons	1..299		

Seq. No.	32482	Seq. ID	OJ991208_04.0128.C2
Gene No.	67392	Strand	+
Start	454	End	570
Name	OJ991208_04.0128.C2.o1.gs	Method	GENSCAN
Start	454	End	570
GI	none	Score	.92
Exons	454..570		

Seq. No.	32483	Seq. ID	OJ991208_04.0128.C3
Gene No.	67393	Strand	+
Start	1	End	478
Name	OJ991208_04.0128.C3.o1.gp	Method	AAT/GAP
Start	1	End	187
GI	uC-osf1cyp023f06b1	Score	265
Exons	1..187		
GI Descrip.	'1931654 1.0e-10 (U95973) BRCA1-associated RING domain protein isolog [Arabidopsis thaliana]'		

Seq. No.	32483	Seq. ID	OJ991208_04.0128.C3
Gene No.	67393	Strand	+
Start	1	End	478
Name	OJ991208_04.0128.C3.o1.np	Method	AAT/NAP
Start	1	End	478
GI	6465806	Score	149
Exons	1..478		
GI Descrip.	(AJ130878) GCN4-complementing protein (GCP1) [Arabidopsis thaliana]		

Seq. No.	32483	Seq. ID	OJ991208_04.0128.C3
Gene No.	67393	Strand	+
Start	1	End	478
Name	OJ991208_04.0128.C3.o1.tm	Method	TBLASTX:Maize
Start	29	End	320
GI	none	Score	355
Exons	29..319, 45..320		

Seq. No.	32483	Seq. ID	OJ991208_04.0128.C3
Gene No.	67393	Strand	+
Start	1	End	478
Name	OJ991208_04.0128.C3.o1.tc	Method	TBLASTX:Cress
Start	162	End	409
GI	none	Score	190
Exons	162..383, 191..409, 210..383		

Seq. No.	32483	Seq. ID	OJ991208_04.0128.C3
Gene No.	67393	Strand	+
Start	1	End	478
Name	OJ991208_04.0128.C3.o1.ts	Method	TBLASTX:Soybean

Start	168	End	383
GI	none	Score	183
Exons	168..383, 182..343		

Seq. No.	32483	Seq. ID	OJ991208_04.0128.C3
Gene No.	67393	Strand	+
Start	1	End	478
Name	OJ991208_04.0128.C3.o1.gs	Method	GENSCAN
Start	170	End	376
GI	none	Score	.45
Exons	170..376		

Seq. No.	32484	Seq. ID	OJ991208_04.0128.C5
Gene No.	67394	Strand	+
Start	1	End	476
Name	OJ991208_04.0128.C5.o1.np	Method	AAT/NAP
Start	1	End	476
GI	6465806	Score	185
Exons	1..63, 233..476		
GI Descrip.	(AJ130878) GCN4-complementing protein (GCP1) [Arabidopsis thaliana]		

Seq. No.	32484	Seq. ID	OJ991208_04.0128.C5
Gene No.	67394	Strand	+
Start	1	End	476
Name	OJ991208_04.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	392
GI	none	Score	79
Exons	1..51, 2..55, 3..53, 126..269, 267..392, 279..392		

Seq. No.	32484	Seq. ID	OJ991208_04.0128.C5
Gene No.	67394	Strand	+
Start	1	End	476
Name	OJ991208_04.0128.C5.o1.gs	Method	GENSCAN
Start	129	End	470
GI	none	Score	.87
Exons	129..470		

Seq. No.	32484	Seq. ID	OJ991208_04.0128.C5
Gene No.	67394	Strand	+
Start	1	End	476
Name	OJ991208_04.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	201	End	475
GI	none	Score	319
Exons	201..473, 207..464, 260..475, 305..475		

Seq. No.	32485	Seq. ID	OJ991208_04.0128.C6
Gene No.	67395	Strand	-
Start	232	End	306
Name	OJ991208_04.0128.C6.o1.gs	Method	GENSCAN
Start	232	End	306
GI	none	Score	.68
Exons	232..306		

Seq. No.	32485	Seq. ID	OJ991208_04.0128.C6
Gene No.	67396	Strand	-
Start	1422	End	1517

Name	OJ991208_04.0128.C6.o1.gp	Method	AAT/GAP
Start	1422	End	1517
GI	5867_1.R1084	Score	141
Exons	1422..1517		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	32486	Seq. ID	OJ991208_04.0128.C7
Gene No.	67397	Strand	-
Start	1	End	2151
Name	OJ991208_04.0128.C7.o1.np	Method	AAT/NAP
Start	1	End	2151
GI	4582447	Score	1298
Exons	1..2151		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	32486	Seq. ID	OJ991208_04.0128.C7
Gene No.	67397	Strand	-
Start	1	End	2151
Name	OJ991208_04.0128.C7.o3.tw	Method	TBLASTX:Wheat
Start	425	End	606
GI	none	Score	101
Exons	425..544, 433..606, 454..603		

Seq. No.	32486	Seq. ID	OJ991208_04.0128.C7
Gene No.	67397	Strand	-
Start	1	End	2151
Name	OJ991208_04.0128.C7.o1.tm	Method	TBLASTX:Maize
Start	472	End	835
GI	none	Score	89
Exons	472..825, 475..795, 617..835		

Seq. No.	32486	Seq. ID	OJ991208_04.0128.C7
Gene No.	67397	Strand	-
Start	1	End	2151
Name	OJ991208_04.0128.C7.o1.ts	Method	TBLASTX:Soybean
Start	481	End	900
GI	none	Score	108
Exons	481..696, 700..900		

Seq. No.	32486	Seq. ID	OJ991208_04.0128.C7
Gene No.	67397	Strand	-
Start	1	End	2151
Name	OJ991208_04.0128.C7.o2.tw	Method	TBLASTX:Wheat
Start	622	End	1020
GI	none	Score	197
Exons	622..666, 623..1012, 637..1020, 649..1014		

Seq. No.	32486	Seq. ID	OJ991208_04.0128.C7
Gene No.	67397	Strand	-
Start	1	End	2151

Name	OJ991208_04.0128.C7.o1.gs	Method	GENSCAN
Start	787	End	1890
GI	none	Score	.76
Exons	787..1890		

Seq. No.	32486	Seq. ID	OJ991208_04.0128.C7
Gene No.	67397	Strand	-
Start	1	End	2151
Name	OJ991208_04.0128.C7.o2.ts	Method	TBLASTX:Soybean
Start	1141	End	1428
GI	none	Score	184
Exons	1141..1428		

Seq. No.	32486	Seq. ID	OJ991208_04.0128.C7
Gene No.	67397	Strand	-
Start	1	End	2151
Name	OJ991208_04.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	1180	End	1573
GI	none	Score	66
Exons	1180..1359, 1197..1307, 1198..1359, 1205..1366, 1354..1572, 1358..1573		

Seq. No.	32486	Seq. ID	OJ991208_04.0128.C7
Gene No.	67397	Strand	-
Start	1	End	2151
Name	OJ991208_04.0128.C7.o2.tm	Method	TBLASTX:Maize
Start	1312	End	1809
GI	none	Score	60
Exons	1312..1428, 1456..1698, 1723..1809		

Seq. No.	32486	Seq. ID	OJ991208_04.0128.C7
Gene No.	67397	Strand	-
Start	1	End	2151
Name	OJ991208_04.0128.C7.o3.ts	Method	TBLASTX:Soybean
Start	1492	End	1732
GI	none	Score	70
Exons	1492..1731, 1574..1732		

Seq. No.	32487	Seq. ID	OJ991208_04.0128.C9
Gene No.	67398	Strand	-
Start	1	End	4956
Name	OJ991208_04.0128.C9.o1.np	Method	AAT/NAP
Start	1	End	3655
GI	6465806	Score	359
Exons	1..29, 242..353, 726..767, 853..948, 1033..1080, 1168..1233, 1529..1573, 1655..1717, 2026..2096, 2351..2451, 2648..2724, 3608..3655		
GI Descrip.	(AJ130878) GCN4-complementing protein (GCP1) [Arabidopsis thaliana]		

Seq. No.	32487	Seq. ID	OJ991208_04.0128.C9
Gene No.	67398	Strand	-
Start	1	End	4956
Name	OJ991208_04.0128.C9.o1.gs	Method	GENSCAN
Start	129	End	4956
GI	none	Score	.54
Exons	129..284, 853..948, 1033..1233, 1529..1573, 1655..1717,		

2026..2096, 2351..2482, 4878..4956

Seq. No.	32487	Seq. ID	OJ991208_04.0128.C9
Gene No.	67398	Strand	-
Start	1	End	4956
Name	OJ991208_04.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	723	End	1573
GI	none	Score	47
Exons	723..788, 726..776, 852..935, 853..948, 854..949, 854..952, 1019..1081, 1021..1083, 1166..1231, 1168..1236, 1529..1573		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67399	Strand	+
Start	314	End	1619
Name	OJ991208_04.0128.C11.o1.np	Method	AAT/NAP
Start	314	End	1619
GI	6815099	Score	75
Exons	314..370, 1490..1619		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67400	Strand	+
Start	2774	End	4616
Name	OJ991208_04.0128.C11.o1.gs	Method	GENSCAN
Start	2774	End	4616
GI	none	Score	.5
Exons	2774..2871, 3740..3886, 4544..4616		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67401	Strand	+
Start	24494	End	28736
Name	OJ991208_04.0128.C11.o4.gs	Method	GENSCAN
Start	24494	End	28496
GI	none	Score	.72
Exons	24494..25163, 25877..25910, 26203..26261, 26490..26641, 26771..26860, 27105..27198, 27288..27439, 27942..28039, 28310..28496		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67401	Strand	+
Start	24494	End	28736
Name	OJ991208_04.0128.C11.o4.np	Method	AAT/NAP
Start	26527	End	28736
GI	1931642	Score	230
Exons	26527..26641, 26759..26867, 27062..27104, 27140..27207, 27288..27439, 27942..28049, 28368..28466, 28670..28736		
GI Descrip.	(U95973) Ser/Thr protein kinase isolog [Arabidopsis thaliana]		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67401	Strand	+
Start	24494	End	28736
Name	OJ991208_04.0128.C11.o1.gp	Method	AAT/GAP
Start	26787	End	27197
GI	LIB3433-061-P1-K1-A11	Score	286
Exons	26787..26860, 27105..27197		
GI Descrip.	'2505874/emb|CAA73303| 2.0e-09 (Y12776) putative kinase [Arabidopsis thaliana]'		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67401	Strand	+
Start	24494	End	28736
Name	OJ991208_04.0128.C11.o2.gp	Method	AAT/GAP
Start	28372	End	28496
GI	3561_1.R1084	Score	168
Exons	28372..28496		
GI Descrip.	'5441881/dbj|BAA82379.1| 3.0e-12 (AP000367) Similar to putative receptor kinase. (AC002332) [Oryza sativa]'		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67402	Strand	-
Start	5413	End	7484
Name	OJ991208_04.0128.C11.o2.np	Method	AAT/NAP
Start	5413	End	7484
GI	6069646	Score	1015
Exons	5413..6399, 6682..7484		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67403	Strand	-
Start	17563	End	19063
Name	OJ991208_04.0128.C11.o3.np	Method	AAT/NAP
Start	17563	End	19063
GI	5803254	Score	897
Exons	17563..17934, 18022..18166, 18261..19063		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o3.tm	Method	TBLASTX:Maize
Start	5426	End	5994
GI	none	Score	78
Exons	5426..5644, 5428..5640, 5659..5994, 5786..5926		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o6.tw	Method	TBLASTX:Wheat
Start	5437	End	27759
GI	none	Score	56
Exons	5437..5667, 5683..5832, 9365..9430, 9422..9454, 27688..27759		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o2.tw	Method	TBLASTX:Wheat
Start	5839	End	6219
GI	none	Score	109

Exons	5839..6000, 6085..6219		
Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o8.tm	Method	TBLASTX:Maize
Start	6112	End	6397
GI	none	Score	131
Exons	6112..6219, 6226..6396, 6227..6397		
Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o1.tw	Method	TBLASTX:Wheat
Start	6382	End	6822
GI	none	Score	66
Exons	6382..6522, 6382..6525, 6526..6822, 6749..6820		
Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o1.tm	Method	TBLASTX:Maize
Start	6457	End	7149
GI	none	Score	94
Exons	6457..7149, 6461..6667, 6694..6915, 6994..7137		
Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o3.tw	Method	TBLASTX:Wheat
Start	6940	End	7221
GI	none	Score	192
Exons	6940..7221		
Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o5.tm	Method	TBLASTX:Maize
Start	7150	End	7647
GI	none	Score	98
Exons	7150..7251, 7237..7485, 7510..7647		
Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o4.tw	Method	TBLASTX:Wheat
Start	7249	End	7584
GI	none	Score	82
Exons	7249..7455, 7253..7462, 7450..7578, 7450..7584		
Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o6.tm	Method	TBLASTX:Maize
Start	7660	End	8094
GI	none	Score	133
Exons	7660..8094, 7763..8092		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o5.tw	Method	TBLASTX:Wheat
Start	8086	End	8466
GI	none	Score	73
Exons	8086..8466, 8171..8416		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o9.tm	Method	TBLASTX:Maize
Start	17570	End	17883
GI	none	Score	122
Exons	17570..17686, 17572..17685, 17690..17881, 17779..17883		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o3.gs	Method	GENSCAN
Start	20033	End	24116
GI	none	Score	.76
Exons	20033..20154, 20929..21107, 21282..21583, 21797..21858, 22395..22564, 22624..22839, 24028..24116		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o7.tm	Method	TBLASTX:Maize
Start	24512	End	24811
GI	none	Score	107
Exons	24512..24628, 24668..24811, 24676..24810		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o1.tc	Method	TBLASTX:Cress
Start	24569	End	25156
GI	none	Score	62
Exons	24569..24628, 24668..24760, 24863..24934, 24946..25074, 24950..25078, 25072..25155, 25073..25156		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o2.tm	Method	TBLASTX:Maize
Start	24818	End	26244
GI	none	Score	114
Exons	24818..24934, 24891..24917, 24940..25122, 24947..25123, 25115..25162, 25115..25165, 26111..26203, 26116..26244		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o4.tm	Method	TBLASTX:Maize
Start	26491	End	28073

GI	none	Score	180
Exons	26491..26640, 26492..26641, 26502..26642, 26768..26863, 26768..26863, 26770..26874, 27104..27235, 27105..27200, 27106..27204, 27283..27441, 27287..27442, 27288..27449, 27923..27997, 27939..27998, 27940..28005, 27944..28009, 27998..28072, 27999..28073		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o1.ts	Method	TBLASTX:Soybean
Start	26512	End	27445
GI	none	Score	164
Exons	26512..26640, 26513..26641, 26768..26863, 26768..26863, 27105..27203, 27105..27188, 27266..27442, 27292..27441, 27296..27445		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67404	Strand	-
Start	20033	End	28073
Name	OJ991208_04.0128.C11.o2.tc	Method	TBLASTX:Cress
Start	27286	End	28040
GI	none	Score	212
Exons	27286..27441, 27287..27442, 27930..27980, 27939..27983, 27966..28040, 28014..28040		

Seq. No.	32488	Seq. ID	OJ991208_04.0128.C11
Gene No.	67405	Strand	
Start	28361	End	28510
Name	OJ991208_04.0128.C11.o10.tm	Method	TBLASTX:Maize
Start	28361	End	28510
GI	none	Score	189
Exons	28361..28510, 28362..28496		

Seq. No.	32489	Seq. ID	OJ991208_04.0128.C13
Gene No.	67406	Strand	-
Start	1	End	2299
Name	OJ991208_04.0128.C13.o1.np	Method	AAT/NAP
Start	1	End	2299
GI	6513928	Score	392
Exons	1..397, 679..787, 952..1086, 1476..1602, 1705..1888, 2107..2299		
GI Descrip.	(AC011664) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32489	Seq. ID	OJ991208_04.0128.C13
Gene No.	67406	Strand	-
Start	1	End	2299
Name	OJ991208_04.0128.C13.o1.gs	Method	GENSCAN
Start	267	End	1873
GI	none	Score	.91
Exons	267..397, 679..787, 952..1073, 1164..1270, 1498..1602, 1705..1873		

Seq. No.	32489	Seq. ID	OJ991208_04.0128.C13
Gene No.	67406	Strand	-
Start	1	End	2299
Name	OJ991208_04.0128.C13.o1.ts	Method	TBLASTX:Soybean
Start	1017	End	1861

GI	none	Score	111
Exons	1017..1085, 1671..1808, 1706..1861		

Seq. No.	32490	Seq. ID	OJ991208_04.0128.C14
Gene No.	67407	Strand	-
Start	776	End	4561
Name	OJ991208_04.0128.C14.o1.np	Method	AAT/NAP
Start	776	End	999
GI	3776557	Score	46
Exons	776..999		
GI Descrip.	(AC005388) Contains similarity to gi|2924495 hypothetical protein Rv1920 from Mycobacterium tuberculosis genome gb|AL022020. [Arabidopsis thaliana]		

Seq. No.	32490	Seq. ID	OJ991208_04.0128.C14
Gene No.	67407	Strand	-
Start	776	End	4561
Name	OJ991208_04.0128.C14.o1.gs	Method	GENSCAN
Start	857	End	4561
GI	none	Score	.68
Exons	857..1256, 2410..2525, 2771..3025, 3531..3718, 4520..4561		

Seq. No.	32490	Seq. ID	OJ991208_04.0128.C14
Gene No.	67408	Strand	-
Start	4594	End	4674
Name	OJ991208_04.0128.C14.o2.np	Method	AAT/NAP
Start	4594	End	4674
GI	3738301	Score	102
Exons	4594..4674		
GI Descrip.	(AC005309) putative CONSTANS-like B-box zinc finger protein [Arabidopsis thaliana]		

Seq. No.	32491	Seq. ID	OJ991208_04.0128.C15
Gene No.	67409	Strand	-
Start	67	End	2123
Name	OJ991208_04.0128.C15.o1.tm	Method	TBLASTX:Maize
Start	27	End	1123
GI	none	Score	87
Exons	27..122, 40..114, 237..329, 890..1123, 890..1123		

Seq. No.	32491	Seq. ID	OJ991208_04.0128.C15
Gene No.	67409	Strand	-
Start	67	End	2123
Name	OJ991208_04.0128.C15.o1.gs	Method	GENSCAN
Start	67	End	2123
GI	none	Score	.58
Exons	67..314, 893..1120, 1743..2123		

Seq. No.	32492	Seq. ID	OJ991208_04.0128.C16
Gene No.	67410	Strand	+
Start	1075	End	1508
Name	OJ991208_04.0128.C16.o1.gp	Method	AAT/GAP
Start	1075	End	1508
GI	none	Score	818
Exons	1075..1508		

Seq. No.	32493	Seq. ID	OJ991208_04.0128.C17

Gene No.	67411	Strand	+
Start	4410	End	6858
Name	OJ991208_04.0128.C17.o1.gp	Method	AAT/GAP
Start	4410	End	6858
GI	34257_1.R1084	Score	1028
Exons	4410..4544, 4822..5080, 6707..6858		
GI Descrip.	'1655637/emb|CAA90889| 2.0e-16 (Z54179) orf [Mus musculus]'		

Seq. No.	32493	Seq. ID	OJ991208_04.0128.C17
Gene No.	67412	Strand	+
Start	7591	End	7729
Name	OJ991208_04.0128.C17.o2.gp	Method	AAT/GAP
Start	7591	End	7729
GI	3061139	Score	229
Exons	7591..7729		
GI Descrip.	1655637/emb|CAA90889| 2.0e-16 (Z54179) orf [Mus musculus]		

Seq. No.	32494	Seq. ID	OJ991208_04.0128.C18
Gene No.	67413	Strand	+
Start	401	End	1831
Name	OJ991208_04.0128.C18.o1.np	Method	AAT/NAP
Start	401	End	1649
GI	5138930	Score	649
Exons	401..714, 1398..1649		
GI Descrip.	(AF093680) transcription factor IIB [Homo sapiens]		

Seq. No.	32494	Seq. ID	OJ991208_04.0128.C18
Gene No.	67413	Strand	+
Start	401	End	1831
Name	OJ991208_04.0128.C18.o1.tm	Method	TBLASTX:Maize
Start	463	End	1565
GI	none	Score	85
Exons	463..714, 464..547, 468..731, 478..714, 659..742, 1364..1549, 1391..1564, 1392..1565		

Seq. No.	32494	Seq. ID	OJ991208_04.0128.C18
Gene No.	67413	Strand	+
Start	401	End	1831
Name	OJ991208_04.0128.C18.o1.ts	Method	TBLASTX:Soybean
Start	468	End	1637
GI	none	Score	397
Exons	468..719, 478..720, 1398..1637, 1401..1637		

Seq. No.	32494	Seq. ID	OJ991208_04.0128.C18
Gene No.	67413	Strand	+
Start	401	End	1831
Name	OJ991208_04.0128.C18.o1.gs	Method	GENSCAN
Start	473	End	1634
GI	none	Score	.9
Exons	473..714, 1398..1634		

Seq. No.	32494	Seq. ID	OJ991208_04.0128.C18
Gene No.	67413	Strand	+
Start	401	End	1831
Name	OJ991208_04.0128.C18.o2.gp	Method	AAT/GAP
Start	1371	End	1831
GI	LIB3432-020-P1-K1-H7	Score	657

Exons	1371..1634, 1728..1831		
GI Descrip.	'1655637/emb|CAA90889| 5.0e-37 (Z54179) orf [Mus musculus]'		
Seq. No.	32495	Seq. ID	OJ991208_04.0128.C19
Gene No.	67414	Strand	+
Start	8763	End	8964
Name	OJ991208_04.0128.C19.o4.gs	Method	GENSCAN
Start	8763	End	8964
GI	none	Score	.97
Exons	8763..8819, 8854..8964		
Seq. No.	32495	Seq. ID	OJ991208_04.0128.C19
Gene No.	67415	Strand	-
Start	3069	End	4857
Name	OJ991208_04.0128.C19.o2.gs	Method	GENSCAN
Start	3069	End	4857
GI	none	Score	.43
Exons	3069..3267, 4682..4857		
Seq. No.	32496	Seq. ID	OJ991208_04.0128.C20
Gene No.	67416	Strand	-
Start	1	End	1461
Name	OJ991208_04.0128.C20.o1.np	Method	AAT/NAP
Start	1	End	1461
GI	5923912	Score	306
Exons	1..124, 216..284, 406..471, 577..709, 831..1002, 1314..1461		
GI Descrip.	(AF185269) bHLH transcription factor GBOF-1 [Tulipa gesneriana]		
Seq. No.	32496	Seq. ID	OJ991208_04.0128.C20
Gene No.	67416	Strand	-
Start	1	End	1461
Name	OJ991208_04.0128.C20.o1.gs	Method	GENSCAN
Start	41	End	1069
GI	none	Score	.58
Exons	41..124, 216..284, 406..471, 866..1069		
Seq. No.	32496	Seq. ID	OJ991208_04.0128.C20
Gene No.	67416	Strand	-
Start	1	End	1461
Name	OJ991208_04.0128.C20.o1.tm	Method	TBLASTX:Maize
Start	61	End	1098
GI	none	Score	100
Exons	61..126, 63..125, 65..127, 199..285, 204..287, 204..284, 400..471, 403..474, 573..722, 574..672, 577..723, 858..917, 865..915, 922..969, 926..985, 1016..1036, 1053..1070, 1075..1098		
Seq. No.	32496	Seq. ID	OJ991208_04.0128.C20
Gene No.	67416	Strand	-
Start	1	End	1461
Name	OJ991208_04.0128.C20.o1.tc	Method	TBLASTX:Cress
Start	204	End	723
GI	none	Score	90
Exons	204..284, 217..285, 400..471, 403..474, 575..640, 577..723		
Seq. No.	32496	Seq. ID	OJ991208_04.0128.C20
Gene No.	67416	Strand	-
Start	1	End	1461

Name	OJ991208_04.0128.C20.o1.tw	Method	TBLASTX:Wheat
Start	204	End	642
GI	none	Score	53
Exons	204..284, 204..284, 217..285, 575..625, 577..642	217..300, 400..471, 403..474,	

Seq. No.	32496	Seq. ID	OJ991208_04.0128.C20
Gene No.	67416	Strand	-
Start	1	End	1461
Name	OJ991208_04.0128.C20.o1.ts	Method	TBLASTX:Soybean
Start	213	End	726
GI	none	Score	78
Exons	213..284, 214..285, 214..285, 575..646, 577..726	216..287, 400..471, 403..474,	

Seq. No.	32497	Seq. ID	OJ990808_58.0103.C2
Gene No.	67417	Strand	+
Start	1	End	2022
Name	OJ990808_58.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	654
GI	3550549	Score	269
Exons	1..237, 387..478, 615..654		
GI Descrip.	(AJ004965) cytosolic pyruvate orthophosphate dikinase [Oryza sativa subsp. indica]		

Seq. No.	32497	Seq. ID	OJ990808_58.0103.C2
Gene No.	67417	Strand	+
Start	1	End	2022
Name	OJ990808_58.0103.C2.o1.gp	Method	AAT/GAP
Start	160	End	968
GI	198_2.R1084	Score	938
Exons	160..237, 387..478, 615..968		
GI Descrip.	'3550549/emb|CAA06247.1| 0.0e+00 (AJ004965) cytosolic pyruvate orthophosphate dikinase [Oryza sativa subsp. indica]'		

Seq. No.	32497	Seq. ID	OJ990808_58.0103.C2
Gene No.	67417	Strand	+
Start	1	End	2022
Name	OJ990808_58.0103.C2.o1.gs	Method	GENSCAN
Start	406	End	671
GI	none	Score	.91
Exons	406..411, 615..671		

Seq. No.	32497	Seq. ID	OJ990808_58.0103.C2
Gene No.	67417	Strand	+
Start	1	End	2022
Name	OJ990808_58.0103.C2.o2.np	Method	AAT/NAP
Start	597	End	2022
GI	5852084	Score	90
Exons	597..686, 1901..2022		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	32498	Seq. ID	OJ990808_58.0103.C3
Gene No.	67418	Strand	+
Start	489	End	653
Name	OJ990808_58.0103.C3.o1.np	Method	AAT/NAP
Start	489	End	653

GI	4584355	Score	94
Exons	489..653		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	32498	Seq. ID	OJ990808_58.0103.C3
Gene No.	67419	Strand	+
Start	3599	End	7719
Name	OJ990808_58.0103.C3.o2.np	Method	AAT/NAP
Start	3599	End	7719
GI	4958867	Score	185
Exons	3599..3647, 6832..7079, 7695..7719		
GI Descrip.	(AB027572) RNA polymerase subunit beta [Triticum aestivum]		

Seq. No.	32498	Seq. ID	OJ990808_58.0103.C3
Gene No.	67420	Strand	-
Start	1501	End	3884
Name	OJ990808_58.0103.C3.o2.gs	Method	GENSCAN
Start	1501	End	3884
GI	none	Score	.73
Exons	1501..1697, 2839..2912, 3146..3632, 3767..3884		

Seq. No.	32498	Seq. ID	OJ990808_58.0103.C3
Gene No.	67421	Strand	-
Start	5430	End	7213
Name	OJ990808_58.0103.C3.o3.np	Method	AAT/NAP
Start	5430	End	7213
GI	1076814	Score	141
Exons	5430..5521, 7086..7213		
GI Descrip.	maturase-related protein - maize (fragment) gi|840925 (U09987) maturase-related protein [Zea mays]		

Seq. No.	32499	Seq. ID	OJ990808_58.0103.C4
Gene No.	67422	Strand	+
Start	589	End	701
Name	OJ990808_58.0103.C4.o1.gs	Method	GENSCAN
Start	589	End	701
GI	none	Score	.91
Exons	589..701		

Seq. No.	32499	Seq. ID	OJ990808_58.0103.C4
Gene No.	67423	Strand	+
Start	805	End	913
Name	OJ990808_58.0103.C4.o1.gp	Method	AAT/GAP
Start	805	End	913
GI	uC-osflcyp153d11b1	Score	175
Exons	805..913		
GI Descrip.	'3810592 5.0e-36 (AC005398) unknown protein [Arabidopsis thaliana]'		

Seq. No.	32499	Seq. ID	OJ990808_58.0103.C4
Gene No.	67424	Strand	-
Start	1249	End	2158
Name	OJ990808_58.0103.C4.o2.gp	Method	AAT/GAP
Start	1082	End	1562
GI	2798597	Score	667
Exons	1082..1153, 1249..1562		

Seq. No.	32499	Seq. ID	OJ990808_58.0103.C4
Gene No.	67424	Strand	-
Start	1249	End	2158
Name	OJ990808_58.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	1216	End	2012
GI	none	Score	85
Exons	1216..1359, 1261..1341, 1269..1361, 1274..1357, 1381..1548, 1391..1540, 1406..1552, 1420..1563, 1952..1975, 1977..2012		

Seq. No.	32499	Seq. ID	OJ990808_58.0103.C4
Gene No.	67424	Strand	-
Start	1249	End	2158
Name	OJ990808_58.0103.C4.o2.gs	Method	GENSCAN
Start	1249	End	2046
GI	none	Score	.49
Exons	1249..1511, 1954..2046		

Seq. No.	32499	Seq. ID	OJ990808_58.0103.C4
Gene No.	67424	Strand	-
Start	1249	End	2158
Name	OJ990808_58.0103.C4.o1.np	Method	AAT/NAP
Start	1264	End	2158
GI	3810592	Score	106
Exons	1264..1362, 1390..1498, 1906..2048, 2116..2158		
GI Descrip.	(AC005398) unknown protein [Arabidopsis thaliana]		

Seq. No.	32500	Seq. ID	OJ990808_58.0103.C5
Gene No.	67425	Strand	+
Start	1	End	1213
Name	OJ990808_58.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	1016
GI	6630696	Score	1632
Exons	1..1016		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	32500	Seq. ID	OJ990808_58.0103.C5
Gene No.	67425	Strand	+
Start	1	End	1213
Name	OJ990808_58.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	52	End	389
GI	none	Score	67
Exons	52..93, 99..209, 210..389, 227..382		

Seq. No.	32500	Seq. ID	OJ990808_58.0103.C5
Gene No.	67425	Strand	+
Start	1	End	1213
Name	OJ990808_58.0103.C5.o1.gs	Method	GENSCAN
Start	147	End	1019
GI	none	Score	.94
Exons	147..1019		

Seq. No.	32500	Seq. ID	OJ990808_58.0103.C5
Gene No.	67425	Strand	+
Start	1	End	1213
Name	OJ990808_58.0103.C5.o1.tm	Method	TBLASTX:Maize

Start	201	End	549
GI	none	Score	346
Exons	201..548, 207..539, 224..547,	301..549	

Seq. No.	32500	Seq. ID	OJ990808_58.0103.C5
Gene No.	67425	Strand	+
Start	1	End	1213
Name	OJ990808_58.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	393	End	767
GI	none	Score	117
Exons	393..524, 399..524, 542..676,	543..767	

Seq. No.	32500	Seq. ID	OJ990808_58.0103.C5
Gene No.	67425	Strand	+
Start	1	End	1213
Name	OJ990808_58.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	405	End	880
GI	none	Score	105
Exons	405..479, 406..465, 410..478,	494..880,	495..878

Seq. No.	32500	Seq. ID	OJ990808_58.0103.C5
Gene No.	67425	Strand	+
Start	1	End	1213
Name	OJ990808_58.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	891	End	1213
GI	none	Score	110
Exons	891..980, 892..981, 893..979,	1019..1183,	1025..1114,
	1029..1121, 1030..1122, 1169..1213,	1176..1211	

Seq. No.	32500	Seq. ID	OJ990808_58.0103.C5
Gene No.	67426	Strand	
Start	1189	End	1487
Name	OJ990808_58.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	1189	End	1487
GI	none	Score	86
Exons	1189..1296, 1202..1453, 1300..1368,	1301..1375,	1345..1428,
	1362..1475, 1374..1487		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67427	Strand	+
Start	297	End	669
Name	OJ990808_58.0103.C6.o1.gs	Method	GENSCAN
Start	297	End	669
GI	none	Score	.78
Exons	297..427, 633..669		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67428	Strand	+
Start	1263	End	4186
Name	OJ990808_58.0103.C6.o1.np	Method	AAT/NAP
Start	1263	End	4165
GI	3413481	Score	1260
Exons	1263..1330, 1975..4165		
GI Descrip.	(AJ006786) serine protease [Lycopersicon esculentum]		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67428	Strand	+

Start	1263	End	4186
Name	OJ990808_58.0103.C6.o2.gs	Method	GENSCAN
Start	1841	End	4186
GI	none	Score	.91
Exons	1841..4186		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67429	Strand	+
Start	6641	End	8948
Name	OJ990808_58.0103.C6.o2.np	Method	AAT/NAP
Start	6641	End	8948
GI	5257266	Score	250
Exons	6641..6727, 7698..8347, 8426..8496, 8689..8948		
GI Descrip.	(AP000364) EST C99024(E4337) corresponds to a region of the predicted gene.; Similar to Silk moth; silkworm final instar larvae posterior. (D83241) [Oryza sativa]		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67430	Strand	+
Start	9160	End	9450
Name	OJ990808_58.0103.C6.o1.gp	Method	AAT/GAP
Start	9160	End	9450
GI	15591_1.R1084	Score	417
Exons	9160..9450		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67431	Strand	+
Start	16136	End	19052
Name	OJ990808_58.0103.C6.o3.np	Method	AAT/NAP
Start	16136	End	19049
GI	6691716	Score	2639
Exons	16136..17024, 17221..17395, 17478..17580, 17657..17836, 17914..18101, 18176..18278, 18429..18542, 18601..19049		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67431	Strand	+
Start	16136	End	19052
Name	OJ990808_58.0103.C6.o5.gs	Method	GENSCAN
Start	16136	End	16900
GI	none	Score	.87
Exons	16136..16900		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67431	Strand	+
Start	16136	End	19052
Name	OJ990808_58.0103.C6.o6.gs	Method	GENSCAN
Start	17055	End	19052
GI	none	Score	.65
Exons	17055..17395, 17478..17836, 17986..18101, 18621..19052		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67432	Strand	+

Start	29075	End	33104
Name	OJ990808_58.0103.C6.o5.np	Method	AAT/NAP
Start	29075	End	33104
GI	5441880	Score	649
Exons	29075..30153, 33040..33104		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67433	Strand	-
Start	5318	End	8590
Name	OJ990808_58.0103.C6.o3.gs	Method	GENSCAN
Start	5318	End	8590
GI	none	Score	.84
Exons	5318..5335, 7690..7870, 7881..8590		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67434	Strand	-
Start	10431	End	15079
Name	OJ990808_58.0103.C6.o4.gs	Method	GENSCAN
Start	10431	End	15079
GI	none	Score	.63
Exons	10431..10623, 10785..10888, 12053..12139, 13889..14088, 15049..15079		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67435	Strand	-
Start	19682	End	27165
Name	OJ990808_58.0103.C6.o4.np	Method	AAT/NAP
Start	19409	End	24730
GI	5922631	Score	5541
Exons	19409..22699, 22826..22977, 23020..23586, 23632..23844, 24103..24347, 24606..24730		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67435	Strand	-
Start	19682	End	27165
Name	OJ990808_58.0103.C6.o7.gs	Method	GENSCAN
Start	19682	End	27165
GI	none	Score	.58
Exons	19682..20368, 20626..22374, 22386..22679, 22935..23084, 23139..23320, 23383..24803, 25538..25716, 25828..26024, 26065..26225, 27119..27165		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	2303	End	3553

GI	none	Score	159
Exons	2303..2416, 2359..2415, 2512..2547, 2513..2548, 2611..2718, 2612..2974, 2752..2910, 3118..3249, 3119..3322, 3205..3450, 3245..3451, 3478..3549, 3479..3553		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	2309	End	3763
GI	none	Score	111
Exons	2309..2446, 2513..2563, 2615..2725, 2753..3001, 3050..3259, 3278..3433, 3325..3432, 3475..3597, 3479..3637, 3653..3763		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o10.tw	Method	TBLASTX:Wheat
Start	2339	End	2713
GI	none	Score	160
Exons	2339..2452, 2350..2412, 2512..2547, 2513..2554, 2525..2713, 2611..2712		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o2.tc	Method	TBLASTX:Cress
Start	2657	End	2953
GI	none	Score	264
Exons	2657..2953, 2692..2880		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o13.tw	Method	TBLASTX:Wheat
Start	2735	End	2992
GI	none	Score	186
Exons	2735..2992		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	3274	End	3757
GI	none	Score	175
Exons	3274..3435, 3281..3445, 3475..3639, 3479..3640, 3670..3717, 3671..3757		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o12.tw	Method	TBLASTX:Wheat
Start	3382	End	3628
GI	none	Score	69
Exons	3382..3438, 3383..3442, 3479..3628, 3487..3597		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6

Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o8.tm	Method	TBLASTX:Maize
Start	3553	End	4163
GI	none	Score	174
Exons	3553..3720, 3554..3763, 3830..3880, 3917..4042, 4113..4163		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o7.tm	Method	TBLASTX:Maize
Start	8582	End	8932
GI	none	Score	38
Exons	8582..8779, 8601..8636, 8615..8695, 8652..8795, 8785..8844, 8799..8846, 8800..8931, 8885..8932		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o10.tm	Method	TBLASTX:Maize
Start	9934	End	10203
GI	none	Score	73
Exons	9934..10203, 10055..10201		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o9.tw	Method	TBLASTX:Wheat
Start	10281	End	25446
GI	none	Score	70
Exons	10281..10358, 10316..10426, 10339..10443, 10345..10440, 10461..10643, 25294..25446		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o6.tm	Method	TBLASTX:Maize
Start	10375	End	10760
GI	none	Score	44
Exons	10375..10443, 10403..10456, 10473..10760, 10486..10755		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o11.tw	Method	TBLASTX:Wheat
Start	16259	End	16546
GI	none	Score	206
Exons	16259..16546		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o2.tw	Method	TBLASTX:Wheat
Start	19385	End	19999
GI	none	Score	86
Exons	19385..19516, 19508..19999, 19707..19844, 19911..19979		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o9.tm	Method	TBLASTX:Maize
Start	19421	End	19678
GI	none	Score	71
Exons	19421..19525, 19464..19526, 19505..19678, 19506..19580		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o5.tw	Method	TBLASTX:Wheat
Start	20006	End	20368
GI	none	Score	169
Exons	20006..20368, 20022..20363		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	20177	End	20504
GI	none	Score	244
Exons	20177..20458, 20178..20456, 20454..20504		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o14.tw	Method	TBLASTX:Wheat
Start	20463	End	20799
GI	none	Score	73
Exons	20463..20516, 20518..20598, 20626..20766, 20665..20799		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o4.tw	Method	TBLASTX:Wheat
Start	20815	End	21237
GI	none	Score	257
Exons	20815..21237, 20891..21232		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o3.ts	Method	TBLASTX:Soybean
Start	20858	End	21246
GI	none	Score	153
Exons	20858..21238, 20860..21102, 21142..21246		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o11.tm	Method	TBLASTX:Maize
Start	20911	End	21184
GI	none	Score	50
Exons	20911..21009, 20912..20977, 21013..21183, 21014..21184		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6

Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o3.tw	Method	TBLASTX:Wheat
Start	21277	End	21702
GI	none	Score	406
Exons	21277..21702		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	21499	End	21903
GI	none	Score	148
Exons	21499..21903, 21506..21856		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o3.tm	Method	TBLASTX:Maize
Start	21625	End	22008
GI	none	Score	164
Exons	21625..22008, 21626..21970, 21709..21999		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	21748	End	22167
GI	none	Score	210
Exons	21748..22167, 21749..22120, 21751..22167		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o4.tm	Method	TBLASTX:Maize
Start	22036	End	22392
GI	none	Score	44
Exons	22036..22392, 22046..22117, 22172..22351		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o8.tw	Method	TBLASTX:Wheat
Start	22167	End	22414
GI	none	Score	130
Exons	22167..22331, 22168..22404, 22171..22413, 22172..22414		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o7.tw	Method	TBLASTX:Wheat
Start	23013	End	23414
GI	none	Score	279
Exons	23013..23414		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-

Start	29040	End	33574
Name	OJ990808_58.0103.C6.o6.np	Method	AAT/NAP
Start	29040	End	33574
GI	6815062	Score	215
Exons	29040..29105, 30867..31165, 31253..31653, 31735..32036, 33519..33574		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o5.tm	Method	TBLASTX:Maize
Start	29666	End	30286
GI	none	Score	100
Exons	29666..29788, 29671..29784, 29829..29849, 29876..30166, 29926..30099, 30197..30286		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o6.tw	Method	TBLASTX:Wheat
Start	30005	End	30394
GI	none	Score	168
Exons	30005..30172, 30013..30144, 30035..30154, 30196..30378, 30197..30394		

Seq. No.	32501	Seq. ID	OJ990808_58.0103.C6
Gene No.	67436	Strand	-
Start	29040	End	33574
Name	OJ990808_58.0103.C6.o9.gs	Method	GENSCAN
Start	30863	End	32435
GI	none	Score	.57
Exons	30863..31165, 31732..31859, 32285..32435		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67437	Strand	+
Start	225	End	2307
Name	OJ990808_58.0103.C7.o1.gs	Method	GENSCAN
Start	225	End	2117
GI	none	Score	.57
Exons	225..355, 682..834, 928..1158, 1197..1287, 1995..2117		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67437	Strand	+
Start	225	End	2307
Name	OJ990808_58.0103.C7.o1.gp	Method	AAT/GAP
Start	777	End	2307
GI	4992_1.R1084	Score	1134
Exons	777..870, 957..1158, 1995..2307		
GI Descrip.	'1808687/emb|Y10784|SSY10784 2.0e-25 S.stapfianus pSD.13 mRNA'		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67438	Strand	+
Start	15004	End	16134
Name	OJ990808_58.0103.C7.o3.np	Method	AAT/NAP

Start	15004	End	16134
GI	6907106	Score	476
Exons	15004..15360, 15560..15874, 15947..16134		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67439	Strand	-
Start	1	End	606
Name	OJ990808_58.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	606
GI	5091500	Score	126
Exons	1..29, 192..275, 304..606		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67440	Strand	-
Start	2671	End	10265
Name	OJ990808_58.0103.C7.o2.gp	Method	AAT/GAP
Start	2553	End	4113
GI	3767217	Score	1080
Exons	2553..2827, 3102..3174, 3738..3896, 4008..4113		
GI Descrip.	3445208/gb|AAC32438.1| 4.0e-39 (AC004786) putative amino-acid acetyltransferase [Arabidopsis thaliana]		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67440	Strand	-
Start	2671	End	10265
Name	OJ990808_58.0103.C7.o2.gs	Method	GENSCAN
Start	2671	End	10265
GI	none	Score	.47
Exons	2671..2775, 3759..3896, 4008..4119, 4525..4622, 5073..5101, 5165..5493, 5682..5833, 6198..6406, 7284..7371, 8732..8827, 8952..9166, 9557..9739, 10235..10265		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67440	Strand	-
Start	2671	End	10265
Name	OJ990808_58.0103.C7.o2.np	Method	AAT/NAP
Start	2671	End	8849
GI	3445208	Score	1361
Exons	2671..2827, 3102..3175, 3739..3896, 4008..4119, 4525..4622, 5073..5493, 5682..5833, 6198..6406, 7284..7387, 8736..8849		
GI Descrip.	(AC004786) putative amino acid acetyltransferase [Arabidopsis thaliana]		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67441	Strand	-
Start	14853	End	28164
Name	OJ990808_58.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	2675	End	4079
GI	none	Score	92
Exons	2675..2827, 2722..2826, 3095..3175, 3095..3178, 3737..3835, 3739..3834, 3825..3896, 3837..3899, 4005..4079, 4006..4077		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67441	Strand	-

Start	14853	End	28164
Name	OJ990808_58.0103.C7.o4.tm	Method	TBLASTX:Maize
Start	2689	End	5130
GI	none	Score	134
Exons	2689..2826, 2690..2827, 2705..2851, 3095..3184, 3096..3179, 3096..3191, 3100..3192, 3740..3796, 3742..3834, 3743..3835, 3748..3837, 3819..3896, 3832..3897, 3836..3898, 3836..3898, 4001..4111, 4005..4121, 4008..4118, 4015..4122, 4519..4629, 4524..4628, 5073..5129, 5077..5130		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67441	Strand	-
Start	14853	End	28164
Name	OJ990808_58.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	5132	End	5420
GI	none	Score	315
Exons	5132..5419, 5136..5420, 5137..5418, 5139..5420		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67441	Strand	-
Start	14853	End	28164
Name	OJ990808_58.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	5137	End	5499
GI	none	Score	428
Exons	5137..5499, 5139..5495		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67441	Strand	-
Start	14853	End	28164
Name	OJ990808_58.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	5772	End	8822
GI	none	Score	106
Exons	5772..5834, 5772..5834, 5773..5835, 5774..5836, 6198..6407, 6198..6407, 6199..6420, 7278..7340, 7279..7341, 7282..7347, 8735..8821, 8736..8822		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67441	Strand	-
Start	14853	End	28164
Name	OJ990808_58.0103.C7.o4.np	Method	AAT/NAP
Start	14853	End	28164
GI	1185397	Score	239
Exons	14853..15356, 15649..16008, 21205..21531, 27387..27551, 28135..28164		
GI Descrip.	(U25281) SH3 domain binding protein [Rattus norvegicus] gi|1587070|prf||2205340A CR16 gene [Rattus norvegicus]		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67441	Strand	-
Start	14853	End	28164
Name	OJ990808_58.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	15689	End	16034
GI	none	Score	133
Exons	15689..15787, 15696..15809, 15696..15809, 15697..15810, 15700..15840, 15790..15861, 15832..15969, 15851..16033, 15860..15889, 15891..15923, 15891..15917, 15988..16029, 15990..16034		

Seq. No.	32502	Seq. ID	OJ990808_58.0103.C7
Gene No.	67441	Strand	-
Start	14853	End	28164
Name	OJ990808_58.0103.C7.o4.gp	Method	AAT/GAP
Start	26496	End	27654
GI	none	Score	916
Exons	26496..26601, 26816..26865, 27303..27654		

Seq. No.	32503	Seq. ID	OJ990808_58.0103.C8
Gene No.	67442	Strand	+
Start	1	End	12609
Name	OJ990808_58.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	12609
GI	3176687	Score	201
Exons	1..24, 1696..2479, 8633..8673, 12550..12609		
GI Descrip.	(AC003671) Strong similarity to trehalose-6-phosphate synthase homolog from A. thaliana chromosome 4 contig gb|Z97344. ESTs gb|H37594, gb|R65023, gb|H37578 and gb|R64855 come from this gene. [Arabidopsis thaliana]		

Seq. No.	32503	Seq. ID	OJ990808_58.0103.C8
Gene No.	67442	Strand	+
Start	1	End	12609
Name	OJ990808_58.0103.C8.o2.gp	Method	AAT/GAP
Start	5233	End	5542
GI	3759000	Score	516
Exons	5233..5542		

Seq. No.	32503	Seq. ID	OJ990808_58.0103.C8
Gene No.	67442	Strand	+
Start	1	End	12609
Name	OJ990808_58.0103.C8.o3.gp	Method	AAT/GAP
Start	5235	End	5984
GI	20494_1.R1084	Score	1280
Exons	5235..5984		
GI Descrip.	'5230728/gb|AAD40979.1|AF089851_1 9.0e-27 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]'		

Seq. No.	32503	Seq. ID	OJ990808_58.0103.C8
Gene No.	67442	Strand	+
Start	1	End	12609
Name	OJ990808_58.0103.C8.o4.gp	Method	AAT/GAP
Start	6263	End	6896
GI	20494_3.R1084	Score	1159
Exons	6263..6896		
GI Descrip.	'1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_ (X97484) orf01 [Arabidopsis thaliana]'		

Seq. No.	32503	Seq. ID	OJ990808_58.0103.C8
Gene No.	67442	Strand	+
Start	1	End	12609
Name	OJ990808_58.0103.C8.o2.gs	Method	GENSCAN
Start	8766	End	10943
GI	none	Score	.59
Exons	8766..8819, 9324..9447, 9810..10064, 10151..10435, 10513..10943		

Seq. No.	32503	Seq. ID	OJ990808_58.0103.C8
Gene No.	67443	Strand	-
Start	862	End	7644
Name	OJ990808_58.0103.C8.o1.gs	Method	GENSCAN
Start	862	End	7644
GI	none	Score	.55
Exons	862..983, 3092..3242, 4234..4408, 4426..4566, 4991..5081, 7233..7403, 7585..7644		

Seq. No.	32503	Seq. ID	OJ990808_58.0103.C8
Gene No.	67444	Strand	-
Start	11424	End	11792
Name	OJ990808_58.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	2101	End	2478
GI	none	Score	45
Exons	2101..2139, 2140..2298, 2141..2314, 2141..2314, 2155..2319, 2321..2401, 2322..2411, 2323..2409, 2437..2478, 2439..2471		

Seq. No.	32503	Seq. ID	OJ990808_58.0103.C8
Gene No.	67444	Strand	-
Start	11424	End	11792
Name	QJ990808_58.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	11104	End	11792
GI	none	Score	60
Exons	11104..11193, 11117..11194, 11121..11195, 11131..11193, 11162..11242, 11214..11408, 11250..11354, 11250..11351, 11265..11372, 11352..11531, 11355..11537, 11364..11522, 11374..11499, 11375..11503, 11375..11500, 11382..11534, 11382..11537, 11383..11535, 11396..11548, 11397..11546, 11477..11572, 11567..11758, 11570..11686, 11576..11713, 11582..11737, 11607..11720, 11613..11792, 11630..11791, 11658..11684		

Seq. No.	32503	Seq. ID	OJ990808_58.0103.C8
Gene No.	67444	Strand	-
Start	11424	End	11792
Name	OJ990808_58.0103.C8.o3.gs	Method	GENSCAN
Start	11424	End	11561
GI	none	Score	.79
Exons	11424..11561		

Seq. No.	32504	Seq. ID	OJ990808_58.0103.C9
Gene No.	67445	Strand	+
Start	234	End	4046
Name	OJ990808_58.0103.C9.o1.gs	Method	GENSCAN
Start	234	End	4046
GI	none	Score	.65
Exons	234..300, 1765..1827, 2531..2593, 3209..3805, 3832..4046		

Seq. No.	32504	Seq. ID	OJ990808_58.0103.C9
Gene No.	67446	Strand	+
Start	5417	End	8057
Name	OJ990808_58.0103.C9.o1.np	Method	AAT/NAP
Start	5417	End	8057
GI	3810592	Score	258
Exons	5417..5513, 5601..5709, 5807..5845, 6367..6450, 6568..6629,		

	7373..7479, 8027..8057		
GI Descrip.	(AC005398) unknown protein [Arabidopsis thaliana]		
Seq. No.	32504	Seq. ID	OJ990808_58.0103.C9
Gene No.	67446	Strand	+
Start	5417	End	8057
Name	OJ990808_58.0103.C9.o1.gp	Method	AAT/GAP
Start	5625	End	7546
GI	2428450	Score	651
Exons	5625..5709, 5807..5845, 6367..6450, 6568..6629, 7373..7546		
GI Descrip.	3810592 5.0e-36 (AC005398) unknown protein [Arabidopsis thaliana]		
Seq. No.	32504	Seq. ID	OJ990808_58.0103.C9
Gene No.	67447	Strand	-
Start	5429	End	6628
Name	OJ990808_58.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	2530	End	6628
GI	none	Score	63
Exons	2530..2592, 5415..5468, 5416..5469, 5460..5513, 5461..5514, 5463..5513, 5598..5708, 5598..5708, 5599..5709, 5804..5845, 5812..5844, 6358..6450, 6366..6446, 6566..6628, 6567..6626		
Seq. No.	32504	Seq. ID	OJ990808_58.0103.C9
Gene No.	67447	Strand	-
Start	5429	End	6628
Name	OJ990808_58.0103.C9.o2.gs	Method	GENSCAN
Start	5429	End	6323
GI	none	Score	.77
Exons	5429..5545, 6177..6323		
Seq. No.	32505	Seq. ID	OJ990808_58.0103.C10
Gene No.	67448	Strand	+
Start	566	End	1067
Name	OJ990808_58.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	520	End	946
GI	none	Score	74
Exons	520..597, 521..598, 676..750, 677..733, 678..737, 786..944, 800..946		
Seq. No.	32505	Seq. ID	OJ990808_58.0103.C10
Gene No.	67448	Strand	+
Start	566	End	1067
Name	OJ990808_58.0103.C10.o1.gp	Method	AAT/GAP
Start	566	End	1067
GI	426499	Score	646
Exons	566..598, 677..733, 803..1067		
GI Descrip.	3810592 7.0e-12 (AC005398) unknown protein [Arabidopsis thaliana]		
Seq. No.	32506	Seq. ID	OJ990808_58.0103.C11
Gene No.	67449	Strand	+
Start	1	End	817
Name	OJ990808_58.0103.C11.o1.np	Method	AAT/NAP
Start	1	End	817
GI	3550549	Score	470
Exons	1..424, 569..658, 742..817		

GI Descrip. (AJ004965) cytosolic pyruvate orthophosphate dikinase [Oryza sativa subsp. indica]

Seq. No.	32506	Seq. ID	OJ990808_58.0103.C11
Gene No.	67449	Strand	+
Start	1	End	817
Name	OJ990808_58.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	260	End	813
GI	none	Score	230
Exons	260..427, 260..424, 262..426, 566..658, 567..656, 613..672, 741..812, 742..813, 742..813		

Seq. No.	32506	Seq. ID	OJ990808_58.0103.C11
Gene No.	67449	Strand	+
Start	1	End	817
Name	OJ990808_58.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	260	End	810
GI	none	Score	189
Exons	260..427, 260..346, 262..426, 527..658, 619..672, 741..809, 742..810		

Seq. No.	32506	Seq. ID	OJ990808_58.0103.C11
Gene No.	67449	Strand	+
Start	1	End	817
Name	OJ990808_58.0103.C11.o1.gp	Method	AAT/GAP
Start	261	End	817
GI	198_2.R1084	Score	594
Exons	261..424, 569..658, 742..817		

GI Descrip. '3550549/emb|CAA06247.1| 0.0e+00 (AJ004965) cytosolic pyruvate orthophosphate dikinase [Oryza sativa subsp. indica]'

Seq. No.	32506	Seq. ID	OJ990808_58.0103.C11
Gene No.	67449	Strand	+
Start	1	End	817
Name	OJ990808_58.0103.C11.o1.gs	Method	GENSCAN
Start	263	End	620
GI	none	Score	.9
Exons	263..424, 569..620		

Seq. No.	32507	Seq. ID	OJ990808_58.0103.C12
Gene No.	67450	Strand	+
Start	180	End	302
Name	OJ990808_58.0103.C12.o1.gs	Method	GENSCAN
Start	180	End	302
GI	none	Score	.97
Exons	180..302		

Seq. No.	32507	Seq. ID	OJ990808_58.0103.C12
Gene No.	67451	Strand	-
Start	1	End	854
Name	OJ990808_58.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	854
GI	6630696	Score	1386
Exons	1..854		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	32507	Seq. ID	OJ990808_58.0103.C12
Gene No.	67451	Strand	-
Start	1	End	854
Name	OJ990808_58.0103.C12.o1.tw	Method	TBLASTX:Wheat
Start	1	End	297
GI	none	Score	59
Exons	1..66, 3..122, 100..297		

Seq. No.	32507	Seq. ID	OJ990808_58.0103.C12
Gene No.	67451	Strand	-
Start	1	End	854
Name	OJ990808_58.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	370	End	714
GI	none	Score	361
Exons	370..411, 440..712, 440..712,	441..713,	442..714

Seq. No.	32507	Seq. ID	OJ990808_58.0103.C12
Gene No.	67451	Strand	-
Start	1	End	854
Name	OJ990808_58.0103.C12.o2.gs	Method	GENSCAN
Start	581	End	729
GI	none	Score	.88
Exons	581..729		

Seq. No.	32507	Seq. ID	OJ990808_58.0103.C12
Gene No.	67451	Strand	-
Start	1	End	854
Name	OJ990808_58.0103.C12.o1.gp	Method	AAT/GAP
Start	647	End	729
GI	101595_1.R1084	Score	100
Exons	647..729		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	32508	Seq. ID	OJ990808_58.0103.C13
Gene No.	67452	Strand	-
Start	1	End	3442
Name	OJ990808_58.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	713
GI	2781345	Score	148
Exons	1..156, 270..373, 608..713		
GI Descrip.	(AC003113) F24O1.2 [Arabidopsis thaliana]		

Seq. No.	32508	Seq. ID	OJ990808_58.0103.C13
Gene No.	67452	Strand	-
Start	1	End	3442
Name	OJ990808_58.0103.C13.o1.gs	Method	GENSCAN
Start	28	End	3442
GI	none	Score	.95
Exons	28..160, 832..957, 3380..3442		

Seq. No.	32508	Seq. ID	OJ990808_58.0103.C13
Gene No.	67452	Strand	-
Start	1	End	3442
Name	OJ990808_58.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	316	End	733

GI	none	Score	74
Exons	316..381, 316..372, 318..374, 585..713, 589..732, 593..730, 605..733		

Seq. No.	32508	Seq. ID	OJ990808_58.0103.C13
Gene No.	67452	Strand	-
Start	1	End	3442
Name	OJ990808_58.0103.C13.o2.np	Method	AAT/NAP
Start	543	End	2268
GI	2244802	Score	59
Exons	543..610, 1745..1899, 2006..2268		
GI Descrip.	(Z97336) retrovirus-related like polyprotein [Arabidopsis thaliana]		

Seq. No.	32509	Seq. ID	OJ990808_58.0103.C15
Gene No.	67453	Strand	-
Start	1	End	581
Name	OJ990808_58.0103.C15.o1.gp	Method	AAT/GAP
Start	1	End	539
GI	101595_1.R1084	Score	1002
Exons	1..539		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	32509	Seq. ID	OJ990808_58.0103.C15
Gene No.	67453	Strand	-
Start	1	End	581
Name	OJ990808_58.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	581
GI	6630696	Score	955
Exons	1..581		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	32509	Seq. ID	OJ990808_58.0103.C15
Gene No.	67454	Strand	-
Start	2170	End	3276
Name	OJ990808_58.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	231	End	539
GI	none	Score	139
Exons	231..539, 234..425, 296..439, 310..492		

Seq. No.	32509	Seq. ID	OJ990808_58.0103.C15
Gene No.	67454	Strand	-
Start	2170	End	3276
Name	OJ990808_58.0103.C15.o1.tw	Method	TBLASTX:Wheat
Start	290	End	662
GI	none	Score	161
Exons	290..451, 291..575, 310..501, 552..653, 573..662		

Seq. No.	32509	Seq. ID	OJ990808_58.0103.C15
Gene No.	67454	Strand	-
Start	2170	End	3276
Name	OJ990808_58.0103.C15.o2.gs	Method	GENSCAN
Start	2170	End	3276
GI	none	Score	.59

Exons	2170..2254, 3224..3276		
Seq. No.	32510	Seq. ID	OJ990808_58.0103.C16
Gene No.	67455	Strand	-
Start	988	End	3134
Name	OJ990808_58.0103.C16.o1.gs	Method	GENSCAN
Start	988	End	3003
GI	none	Score	.78
Exons	988..1138, 1233..1297, 1396..1515, 2033..2379, 2478..2685, 2883..3003		
Seq. No.	32510	Seq. ID	OJ990808_58.0103.C16
Gene No.	67455	Strand	-
Start	988	End	3134
Name	OJ990808_58.0103.C16.o1.np	Method	AAT/NAP
Start	1378	End	3134
GI	2781345	Score	790
Exons	1378..1515, 1684..1769, 1872..1999, 2028..2172, 2520..2685, 2883..3134		
GI Descrip.	(AC003113) F24O1.2 [Arabidopsis thaliana]		
Seq. No.	32510	Seq. ID	OJ990808_58.0103.C16
Gene No.	67455	Strand	-
Start	988	End	3134
Name	OJ990808_58.0103.C16.o1.ts	Method	TBLASTX:Soybean
Start	1390	End	3033
GI	none	Score	76
Exons	1390..1521, 1404..1517, 1646..1771, 1684..1773, 1848..1946, 1849..1947, 1849..1947, 2030..2161, 2031..2147, 2033..2149, 2584..2691, 2880..3017, 2880..3032, 2881..3033		
Seq. No.	32510	Seq. ID	OJ990808_58.0103.C16
Gene No.	67455	Strand	-
Start	988	End	3134
Name	OJ990808_58.0103.C16.o1.gp	Method	AAT/GAP
Start	1434	End	2247
GI	LIB3433-031-P1-K1-B2	Score	827
Exons	1434..1515, 1684..1769, 1872..1944, 2033..2247		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		
Seq. No.	32510	Seq. ID	OJ990808_58.0103.C16
Gene No.	67455	Strand	-
Start	988	End	3134
Name	OJ990808_58.0103.C16.o1.tm	Method	TBLASTX:Maize
Start	1474	End	2155
GI	none	Score	59
Exons	1474..1521, 1475..1516, 1646..1771, 1648..1770, 1849..1947, 1849..1947, 1875..1949, 2030..2152, 2031..2144, 2033..2155		
Seq. No.	32510	Seq. ID	OJ990808_58.0103.C16
Gene No.	67455	Strand	-
Start	988	End	3134
Name	OJ990808_58.0103.C16.o2.tm	Method	TBLASTX:Maize

Start	2231	End	3068
GI	none	Score	60
Exons	2231..2323, 2233..2310, 2261..2377, 2338..2379, 2563..2694, 2566..2691, 2879..3031, 2880..3032, 2881..3033, 3032..3067, 3033..3068		

Seq. No.	32510	Seq. ID	OJ990808_58.0103.C16
Gene No.	67455	Strand	-
Start	988	End	3134
Name	OJ990808_58.0103.C16.o1.tc	Method	TBLASTX:Cress
Start	2880	End	3133
GI	none	Score	38
Exons	2880..2909, 2881..2910, 2910..3032, 2911..3027, 3032..3133, 3033..3131		

Seq. No.	32511	Seq. ID	OJ990808_58.0103.C18
Gene No.	67456	Strand	+
Start	1	End	396
Name	OJ990808_58.0103.C18.o1.gp	Method	AAT/GAP
Start	1	End	396
GI	198_2.R1084	Score	452
Exons	1..220, 332..396		
GI Descrip.	'3550549/emb|CAA06247.1| 0.0e+00 (AJ004965) cytosolic pyruvate orthophosphate dikinase [Oryza sativa subsp. indica]'		

Seq. No.	32511	Seq. ID	OJ990808_58.0103.C18
Gene No.	67456	Strand	+
Start	1	End	396
Name	OJ990808_58.0103.C18.o1.np	Method	AAT/NAP
Start	1	End	396
GI	3550549	Score	360
Exons	1..220, 332..396		
GI Descrip.	(AJ004965) cytosolic pyruvate orthophosphate dikinase [Oryza sativa subsp. indica]		

Seq. No.	32511	Seq. ID	OJ990808_58.0103.C18
Gene No.	67456	Strand	+
Start	1	End	396
Name	OJ990808_58.0103.C18.o1.tw	Method	TBLASTX:Wheat
Start	18	End	395
GI	none	Score	238
Exons	18..122, 23..220, 24..221, 52..231, 67..231, 318..392, 326..394, 330..395		

Seq. No.	32511	Seq. ID	OJ990808_58.0103.C18
Gene No.	67456	Strand	+
Start	1	End	396
Name	OJ990808_58.0103.C18.o1.tm	Method	TBLASTX:Maize
Start	21	End	395
GI	none	Score	240
Exons	21..122, 23..220, 24..221, 64..231, 328..393, 329..394, 330..395		

Seq. No.	32511	Seq. ID	OJ990808_58.0103.C18
Gene No.	67456	Strand	+
Start	1	End	396
Name	OJ990808_58.0103.C18.o1.tc	Method	TBLASTX:Cress
Start	36	End	392

GI	none	Score	226
Exons	36..221, 41..220, 151..222, 170..232, 326..391, 330..392		

Seq. No.	32511	Seq. ID	OJ990808_58.0103.C18
Gene No.	67456	Strand	+
Start	1	End	396
Name	OJ990808_58.0103.C18.o1.ts	Method	TBLASTX:Soybean
Start	56	End	395
GI	none	Score	203
Exons	56..220, 57..221, 57..221, 73..231, 326..391, 330..395		

Seq. No.	32511	Seq. ID	OJ990808_58.0103.C18
Gene No.	67456	Strand	+
Start	1	End	396
Name	OJ990808_58.0103.C18.o1.gs	Method	GENSCAN
Start	97	End	220
GI	none	Score	.77
Exons	97..220		

Seq. No.	32512	Seq. ID	OJ990808_57.0118.C1
Gene No.	67457	Strand	+
Start	1	End	6438
Name	OJ990808_57.0118.C1.o1.np	Method	AAT/NAP
Start	1	End	6438
GI	5917666	Score	260
Exons	1..39, 4845..5761, 5878..6438		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	32512	Seq. ID	OJ990808_57.0118.C1
Gene No.	67457	Strand	+
Start	1	End	6438
Name	OJ990808_57.0118.C1.o1.gs	Method	GENSCAN
Start	341	End	6372
GI	none	Score	.5
Exons	341..456, 961..1101, 1136..1576, 1696..2358, 3818..3929, 4993..5490, 5717..5859, 5954..6372		

Seq. No.	32512	Seq. ID	OJ990808_57.0118.C1
Gene No.	67458	Strand	+
Start	7175	End	7281
Name	OJ990808_57.0118.C1.o3.np	Method	AAT/NAP
Start	7175	End	7281
GI	6721561	Score	70
Exons	7175..7281		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32512	Seq. ID	OJ990808_57.0118.C1
Gene No.	67459	Strand	-
Start	7053	End	7505
Name	OJ990808_57.0118.C1.o2.np	Method	AAT/NAP
Start	7053	End	7505
GI	4680183	Score	100
Exons	7053..7142, 7355..7505		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	32513	Seq. ID	OJ990808_57.0118.C2
Gene No.	67460	Strand	-
Start	5464	End	5919
Name	OJ990808_57.0118.C2.o2.gs	Method	GENSCAN
Start	5464	End	5919
GI	none	Score	.68
Exons	5464..5557, 5876..5919		

Seq. No.	32514	Seq. ID	OJ990808_57.0118.C3
Gene No.	67461	Strand	+
Start	1	End	635
Name	OJ990808_57.0118.C3.o1.np	Method	AAT/NAP
Start	1	End	635
GI	4680203	Score	849
Exons	1..635		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	32514	Seq. ID	OJ990808_57.0118.C3
Gene No.	67461	Strand	+
Start	1	End	635
Name	OJ990808_57.0118.C3.o1.tw	Method	TBLASTX:Wheat
Start	1	End	633
GI	none	Score	192
Exons	1..309, 174..305, 295..366, 318..365, 387..440, 391..510, 508..633		

Seq. No.	32514	Seq. ID	OJ990808_57.0118.C3
Gene No.	67461	Strand	+
Start	1	End	635
Name	OJ990808_57.0118.C3.o1.gs	Method	GENSCAN
Start	25	End	613
GI	none	Score	.48
Exons	25..613		

Seq. No.	32514	Seq. ID	OJ990808_57.0118.C3
Gene No.	67461	Strand	+
Start	1	End	635
Name	OJ990808_57.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	222	End	633
GI	none	Score	102
Exons	222..305, 223..297, 298..360, 355..633, 387..632, 487..633		

Seq. No.	32514	Seq. ID	OJ990808_57.0118.C3
Gene No.	67461	Strand	+
Start	1	End	635
Name	OJ990808_57.0118.C3.o1.tc	Method	TBLASTX:Cress
Start	384	End	635
GI	none	Score	218
Exons	384..536, 391..633, 576..635		

Seq. No.	32515	Seq. ID	OJ990808_57.0118.C4
Gene No.	67462	Strand	-
Start	1	End	629
Name	OJ990808_57.0118.C4.o1.np	Method	AAT/NAP
Start	1	End	629

GI	2498930	Score	721
Exons	1..402, 570..629		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	32515	Seq. ID	OJ990808_57.0118.C4
Gene No.	67462	Strand	-
Start	1	End	629
Name	OJ990808_57.0118.C4.o1.gs	Method	GENSCAN
Start	8	End	629
GI	none	Score	1
Exons	8..402, 570..629		

Seq. No.	32516	Seq. ID	OJ990808_57.0118.C6
Gene No.	67463	Strand	+
Start	1	End	326
Name	OJ990808_57.0118.C6.o1.np	Method	AAT/NAP
Start	1	End	326
GI	4454011	Score	118
Exons	1..114, 300..326		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67464	Strand	+
Start	4232	End	4728
Name	OJ990808_57.0118.C7.o2.gp	Method	AAT/GAP
Start	4232	End	4728
GI	none	Score	956
Exons	4232..4728		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67465	Strand	+
Start	5013	End	7164
Name	OJ990808_57.0118.C7.o2.np	Method	AAT/NAP
Start	5013	End	7164
GI	226691	Score	467
Exons	5013..5366, 7098..7164		
GI Descrip.	RNA polymerase beta'-2 [Oryza sativa]		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o3.np	Method	AAT/NAP
Start	1	End	10412
GI	6714302	Score	104
Exons	1..257, 5389..5461, 5937..6024, 10387..10412		
GI Descrip.	(AC013354) F15H18.8 [Arabidopsis thaliana]		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o1.np	Method	AAT/NAP
Start	892	End	4214
GI	6721512	Score	115
Exons	892..922, 2379..2480, 2508..2615, 4168..4214		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o1.gp	Method	AAT/GAP
Start	1485	End	1556
GI	LIB3477-003-P1-K1-E9	Score	96
Exons	1485..1556		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o1.gs	Method	GENSCAN
Start	2166	End	10204
GI	none	Score	.49
Exons	2166..2282, 2358..2507, 2520..2634, 5951..6024, 6071..6086, 6471..6600, 6691..6953, 7000..7246, 8448..8547, 10175..10204		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o4.np	Method	AAT/NAP
Start	4399	End	6822
GI	5823335	Score	360
Exons	4399..4417, 5217..5294, 6471..6593, 6687..6822		
GI Descrip.	(AF176001) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o3.gp	Method	AAT/GAP
Start	5034	End	5785
GI	LIB3432-013-P1-K1-E3	Score	844
Exons	5034..5114, 5393..5785		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o2.tc	Method	TBLASTX:Cress
Start	5051	End	5307
GI	none	Score	234
Exons	5051..5305, 5092..5307, 5116..5298		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o1.tw	Method	TBLASTX:Wheat
Start	5769	End	6823
GI	none	Score	119
Exons	5769..5804, 5869..5925, 6468..6605, 6470..6604, 6474..6617,		

6677..6820, 6690..6782, 6779..6823

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o1.tc	Method	TBLASTX:Cress
Start	6468	End	6829
GI	none	Score	142
Exons	6468..6602, 6470..6601, 6677..6799, 6687..6797, 6779..6829, 6796..6822		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o1.ts	Method	TBLASTX:Soybean
Start	6468	End	6872
GI	none	Score	135
Exons	6468..6590, 6470..6601, 6477..6602, 6677..6790, 6690..6872, 6796..6822		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o1.tm	Method	TBLASTX:Maize
Start	6468	End	6844
GI	none	Score	202
Exons	6468..6602, 6470..6601, 6677..6790, 6678..6791, 6692..6799, 6779..6844, 6793..6843		

Seq. No.	32517	Seq. ID	OJ990808_57.0118.C7
Gene No.	67466	Strand	-
Start	1	End	10412
Name	OJ990808_57.0118.C7.o4.gp	Method	AAT/GAP
Start	6685	End	7120
GI	3761372	Score	814
Exons	6685..7120		
GI Descrip.	1945282/emb|Y11351|OSMYB1402 2.0e-15 O.sativa mRNA for myb factor, 1402 bp		

Seq. No.	32518	Seq. ID	OJ990808_57.0118.C9
Gene No.	67467	Strand	+
Start	1	End	986
Name	OJ990808_57.0118.C9.o1.np	Method	AAT/NAP
Start	1	End	986
GI	6630696	Score	1532
Exons	1..986		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	32518	Seq. ID	OJ990808_57.0118.C9
Gene No.	67467	Strand	+
Start	1	End	986
Name	OJ990808_57.0118.C9.o2.tw	Method	TBLASTX:Wheat
Start	5	End	592
GI	none	Score	104
Exons	5..82, 94..123, 179..385, 253..375, 539..592		

Seq. No.	32518	Seq. ID	OJ990808_57.0118.C9
Gene No.	67467	Strand	+
Start	1	End	986
Name	OJ990808_57.0118.C9.o1.ts	Method	TBLASTX:Soybean
Start	238	End	586
GI	none	Score	139
Exons	238..402, 239..397, 397..585, 398..586		

Seq. No.	32518	Seq. ID	OJ990808_57.0118.C9
Gene No.	67467	Strand	+
Start	1	End	986
Name	OJ990808_57.0118.C9.o1.tm	Method	TBLASTX:Maize
Start	388	End	736
GI	none	Score	330
Exons	388..735, 395..736		

Seq. No.	32518	Seq. ID	OJ990808_57.0118.C9
Gene No.	67467	Strand	+
Start	1	End	986
Name	OJ990808_57.0118.C9.o1.tw	Method	TBLASTX:Wheat
Start	593	End	985
GI	none	Score	107
Exons	593..667, 594..662, 598..681, 683..985, 683..985	598..666, 676..984, 682..984,	

Seq. No.	32518	Seq. ID	OJ990808_57.0118.C9
Gene No.	67467	Strand	+
Start	1	End	986
Name	OJ990808_57.0118.C9.o2.ts	Method	TBLASTX:Soybean
Start	599	End	940
GI	none	Score	88
Exons	599..718, 731..940, 736..861		

Seq. No.	32519	Seq. ID	OJ990808_57.0118.C10
Gene No.	67468	Strand	+
Start	957	End	1282
Name	OJ990808_57.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	76	End	427
GI	none	Score	64
Exons	76..147, 77..148, 126..218, 149..247, 157..219, 231..293, 231..296, 232..297, 323..427, 326..397		

Seq. No.	32519	Seq. ID	OJ990808_57.0118.C10
Gene No.	67468	Strand	+
Start	957	End	1282
Name	OJ990808_57.0118.C10.o1.gs	Method	GENSCAN
Start	957	End	1282
GI	none	Score	.51
Exons	957..1120, 1125..1282		

Seq. No.	32520	Seq. ID	OJ990808_57.0118.C11
Gene No.	67469	Strand	+
Start	431	End	577
Name	OJ990808_57.0118.C11.o1.gp	Method	AAT/GAP
Start	431	End	577
GI	21474_1.R1084	Score	241

Exons	431..577		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32520	Seq. ID	OJ990808_57.0118.C11
Gene No.	67470	Strand	-
Start	113	End	4205
Name	OJ990808_57.0118.C11.o1.gs	Method	GENSCAN
Start	113	End	3936
GI	none	Score	.66
Exons	113..317, 967..1102, 1178..1280, 1375..1447, 1532..1642, 1739..1912, 2022..2707, 2709..2854, 2980..3121, 3196..3936		

Seq. No.	32520	Seq. ID	OJ990808_57.0118.C11
Gene No.	67470	Strand	-
Start	113	End	4205
Name	OJ990808_57.0118.C11.o2.np	Method	AAT/NAP
Start	262	End	4205
GI	4680204	Score	925
Exons	262..303, 978..1153, 1512..1642, 1739..1912, 2022..3121, 3196..4205		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32520	Seq. ID	OJ990808_57.0118.C11
Gene No.	67470	Strand	-
Start	113	End	4205
Name	OJ990808_57.0118.C11.o1.np	Method	AAT/NAP
Start	936	End	4205
GI	4680204	Score	923
Exons	936..1153, 1512..1642, 1739..1912, 2022..3121, 3196..4205		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32520	Seq. ID	OJ990808_57.0118.C11
Gene No.	67470	Strand	-
Start	113	End	4205
Name	OJ990808_57.0118.C11.o2.tw	Method	TBLASTX:Wheat
Start	1573	End	2095
GI	none	Score	68
Exons	1573..1644, 1744..1926, 1751..1876, 2015..2095		

Seq. No.	32520	Seq. ID	OJ990808_57.0118.C11
Gene No.	67470	Strand	-
Start	113	End	4205
Name	OJ990808_57.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	3586	End	3989
GI	none	Score	84
Exons	3586..3756, 3719..3886, 3751..3987, 3838..3987, 3849..3989, 3879..3989		

Seq. No.	32521	Seq. ID	OJ990808_57.0118.C12
Gene No.	67471	Strand	+
Start	1493	End	1910
Name	OJ990808_57.0118.C12.o4.gp	Method	AAT/GAP
Start	1493	End	1910
GI	LIB3431-028-P1-N1-A10	Score	836
Exons	1493..1910		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like		

protein [Sorghum bicolor]'

Seq. No.	32521	Seq. ID	OJ990808_57.0118.C12
Gene No.	67472	Strand	-
Start	19	End	2304
Name	OJ990808_57.0118.C12.o1.gs	Method	GENSCAN
Start	19	End	2194
GI	none	Score	.85
Exons	19..306, 392..490, 1580..2194		

Seq. No.	32521	Seq. ID	OJ990808_57.0118.C12
Gene No.	67472	Strand	-
Start	19	End	2304
Name	OJ990808_57.0118.C12.o1.gp	Method	AAT/GAP
Start	633	End	2304
GI	342_1.R1084	Score	2480
Exons	633..1139, 1249..1346, 1429..1448, 1484..2304		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	32521	Seq. ID	OJ990808_57.0118.C12
Gene No.	67472	Strand	-
Start	19	End	2304
Name	OJ990808_57.0118.C12.o5.gp	Method	AAT/GAP
Start	769	End	2304
GI	342_1.R1084	Score	2247
Exons	769..1139, 1249..1346, 1429..1448, 1484..2304		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	32521	Seq. ID	OJ990808_57.0118.C12
Gene No.	67472	Strand	-
Start	19	End	2304
Name	OJ990808_57.0118.C12.o1.np	Method	AAT/NAP
Start	1550	End	2304
GI	4680203	Score	697
Exons	1550..2304		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32521	Seq. ID	OJ990808_57.0118.C12
Gene No.	67472	Strand	-
Start	19	End	2304
Name	OJ990808_57.0118.C12.o1.tw	Method	TBLASTX:Wheat
Start	1604	End	2302
GI	none	Score	52
Exons	1604..1696, 1605..1670, 1685..1765, 1770..1850, 1778..1918, 1779..1919, 1866..1961, 1898..1957, 1964..2008, 1969..2004, 2003..2302, 2019..2300		

Seq. No.	32522	Seq. ID	OJ990808_57.0118.C13
Gene No.	67473	Strand	-
Start	1	End	708
Name	OJ990808_57.0118.C13.o1.gp	Method	AAT/GAP
Start	1	End	708
GI	342_1.R1084	Score	1326
Exons	1..708		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza		

sativa]'

Seq. No.	32522	Seq. ID	OJ990808_57.0118.C13
Gene No.	67473	Strand	-
Start	1	End	708
Name	OJ990808_57.0118.C13.o1.np	Method	AAT/NAP
Start	1	End	708
GI	6742729	Score	1157
Exons	1..708		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	32522	Seq. ID	OJ990808_57.0118.C13
Gene No.	67473	Strand	-
Start	1	End	708
Name	OJ990808_57.0118.C13.o1.ts	Method	TBLASTX:Soybean
Start	74	End	316
GI	none	Score	54
Exons	74..316, 132..230		

Seq. No.	32522	Seq. ID	OJ990808_57.0118.C13
Gene No.	67473	Strand	-
Start	1	End	708
Name	OJ990808_57.0118.C13.o1.tm	Method	TBLASTX:Maize
Start	146	End	603
GI	none	Score	52
Exons	146..340, 350..469, 350..475, 469..591, 475..603		

Seq. No.	32522	Seq. ID	OJ990808_57.0118.C13
Gene No.	67473	Strand	-
Start	1	End	708
Name	OJ990808_57.0118.C13.o1.tw	Method	TBLASTX:Wheat
Start	180	End	648
GI	none	Score	171
Exons	180..386, 180..389, 185..388, 185..409, 389..475, 390..476, 490..594, 494..583, 595..648, 596..640		

Seq. No.	32522	Seq. ID	OJ990808_57.0118.C13
Gene No.	67473	Strand	-
Start	1	End	708
Name	OJ990808_57.0118.C13.o1.tc	Method	TBLASTX:Cress
Start	469	End	687
GI	none	Score	74
Exons	469..687, 497..592, 632..685		

Seq. No.	32523	Seq. ID	OJ990808_57.0118.C14
Gene No.	67474	Strand	-
Start	217	End	563
Name	OJ990808_57.0118.C14.o1.gs	Method	GENSCAN
Start	217	End	563
GI	none	Score	.62
Exons	217..347, 400..563		

Seq. No.	32524	Seq. ID	OJ990808_57.0118.C15
Gene No.	67475	Strand	-
Start	445	End	4130
Name	OJ990808_57.0118.C15.o1.gs	Method	GENSCAN
Start	445	End	3998

GI	none	Score	.96
Exons	445..522, 1066..1179, 1251..1280, 2905..2998, 3073..3188, 3650..3774, 3893..3998		

Seq. No.	32524	Seq. ID	OJ990808_57.0118.C15
Gene No.	67475	Strand	-
Start	445	End	4130
Name	OJ990808_57.0118.C15.o1.np	Method	AAT/NAP
Start	3878	End	4130
GI	6686305	Score	57
Exons	3878..4130		
GI Descrip.	SYNAPSIN I gi|112347|pir||A30411 synapsin Ia - rat gi|206921 (M27812) synapsin Ia [Rattus norvegicus]		

Seq. No.	32524	Seq. ID	OJ990808_57.0118.C15
Gene No.	67476	Strand	-
Start	5309	End	9038
Name	OJ990808_57.0118.C15.o1.tm	Method	TBLASTX:Maize
Start	3650	End	4016
GI	none	Score	76
Exons	3650..3778, 3651..3770, 3695..3775, 3892..3981, 3894..3998, 3897..4016		

Seq. No.	32524	Seq. ID	OJ990808_57.0118.C15
Gene No.	67476	Strand	-
Start	5309	End	9038
Name	OJ990808_57.0118.C15.o2.np	Method	AAT/NAP
Start	5309	End	9038
GI	4539658	Score	135
Exons	5309..5345, 8189..8332, 8435..8568, 9013..9038		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	32525	Seq. ID	OJ990808_57.0118.C16
Gene No.	67477	Strand	-
Start	151	End	280
Name	OJ990808_57.0118.C16.o1.gs	Method	GENSCAN
Start	151	End	280
GI	none	Score	.83
Exons	151..280		

Seq. No.	32526	Seq. ID	OJ990808_57.0118.C17
Gene No.	67478	Strand	+
Start	3563	End	7406
Name	OJ990808_57.0118.C17.o1.gs	Method	GENSCAN
Start	3563	End	6062
GI	none	Score	.6
Exons	3563..3803, 5581..6062		

Seq. No.	32526	Seq. ID	OJ990808_57.0118.C17
Gene No.	67478	Strand	+
Start	3563	End	7406
Name	OJ990808_57.0118.C17.o1.gp	Method	AAT/GAP
Start	5527	End	5841
GI	26826_1.R1084	Score	555
Exons	5527..5841		
GI Descrip.	'1945282/emb|Y11351|OSMYB1402 2.0e-15 O.sativa mRNA for myb		

factor, 1402 bp'

Seq. No.	32526	Seq. ID	OJ990808_57.0118.C17
Gene No.	67478	Strand	+
Start	3563	End	7406
Name	OJ990808_57.0118.C17.o1.np	Method	AAT/NAP
Start	5706	End	7406
GI	4454011	Score	122
Exons	5706..5933, 7327..7406		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	32527	Seq. ID	OJ990808_57.0118.C19
Gene No.	67479	Strand	+
Start	4857	End	5076
Name	OJ990808_57.0118.C19.o2.gs	Method	GENSCAN
Start	4857	End	5076
GI	none	Score	.94
Exons	4857..4859, 4906..5076		

Seq. No.	32527	Seq. ID	OJ990808_57.0118.C19
Gene No.	67480	Strand	-
Start	1	End	1708
Name	OJ990808_57.0118.C19.o1.np	Method	AAT/NAP
Start	1	End	1708
GI	6630696	Score	2626
Exons	1..1708		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	32527	Seq. ID	OJ990808_57.0118.C19
Gene No.	67481	Strand	-
Start	9367	End	11000
Name	OJ990808_57.0118.C19.o4.gs	Method	GENSCAN
Start	9367	End	11000
GI	none	Score	.51
Exons	9367..9720, 10917..11000		

Seq. No.	32527	Seq. ID	OJ990808_57.0118.C19
Gene No.	67482	Strand	-
Start	11337	End	11929
Name	OJ990808_57.0118.C19.o2.tw	Method	TBLASTX:Wheat
Start	3	End	274
GI	none	Score	64
Exons	3..272, 4..90, 5..274, 5..274		

Seq. No.	32527	Seq. ID	OJ990808_57.0118.C19
Gene No.	67482	Strand	-
Start	11337	End	11929
Name	OJ990808_57.0118.C19.o3.tm	Method	TBLASTX:Maize
Start	26	End	382
GI	none	Score	210
Exons	26..382		

Seq. No.	32527	Seq. ID	OJ990808_57.0118.C19
Gene No.	67482	Strand	-
Start	11337	End	11929

Name	OJ990808_57.0118.C19.o1.ts	Method	TBLASTX:Soybean
Start	140	End	517
GI	none	Score	85
Exons	140..388, 371..517		

Seq. No.	32527	Seq. ID	OJ990808_57.0118.C19
Gene No.	67482	Strand	-
Start	11337	End	11929
Name	OJ990808_57.0118.C19.o1.tm	Method	TBLASTX:Maize
Start	470	End	874
GI	none	Score	340
Exons	470..517, 546..833, 546..827, 551..850, 553..855, 566..874		

Seq. No.	32527	Seq. ID	OJ990808_57.0118.C19
Gene No.	67482	Strand	-
Start	11337	End	11929
Name	OJ990808_57.0118.C19.o2.tm	Method	TBLASTX:Maize
Start	1390	End	1642
GI	none	Score	150
Exons	1390..1575, 1409..1642, 1428..1619		

Seq. No.	32527	Seq. ID	OJ990808_57.0118.C19
Gene No.	67482	Strand	-
Start	11337	End	11929
Name	OJ990808_57.0118.C19.o1.tw	Method	TBLASTX:Wheat
Start	1418	End	1813
GI	none	Score	160
Exons	1418..1627, 1418..1639, 1428..1637, 1679..1813, 1716..1796		

Seq. No.	32527	Seq. ID	OJ990808_57.0118.C19
Gene No.	67482	Strand	-
Start	11337	End	11929
Name	OJ990808_57.0118.C19.o5.gs	Method	GENSCAN
Start	11337	End	11929
GI	none	Score	.6
Exons	11337..11498, 11708..11929		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67483	Strand	+
Start	133	End	180
Name	OJ990808_57.0118.C20.o1.gs	Method	GENSCAN
Start	133	End	180
GI	none	Score	.94
Exons	133..180		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o1.gp	Method	AAT/GAP
Start	2355	End	2902
GI	10694_1.R1084	Score	1006
Exons	2355..2902		
GI Descrip.	'4539452/emb|CAB39932.1| 8.0e-50 (AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]'		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-

Start	2511	End	7486
Name	OJ990808_57.0118.C20.o5.tm	Method	TBLASTX:Maize
Start	2359	End	2748
GI	none	Score	46
Exons	2359..2409, 2359..2409, 2418..2459, 2432..2476, 2500..2748, 2506..2745, 2511..2747		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o1.ts	Method	TBLASTX:Soybean
Start	2508	End	3381
GI	none	Score	276
Exons	2508..3380, 2515..2820, 2523..3380, 3277..3381		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o2.gs	Method	GENSCAN
Start	2511	End	5545
GI	none	Score	.45
Exons	2511..4110, 4164..5545		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o1.np	Method	AAT/NAP
Start	2514	End	5062
GI	4539452	Score	2741
Exons	2514..5062		
GI Descrip.	(AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o1.tc	Method	TBLASTX:Cress
Start	2578	End	3254
GI	none	Score	396
Exons	2578..2808, 2610..3188, 2610..3254		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o1.tm	Method	TBLASTX:Maize
Start	2748	End	3546
GI	none	Score	955
Exons	2748..3509, 2748..3545, 2750..3544, 3157..3546		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o2.gp	Method	AAT/GAP
Start	2955	End	4106
GI	27359_1.R1084	Score	2217
Exons	2955..4106		
GI Descrip.	'4539452/emb|CAB39932.1| 1.0e-149 (AL049500) putative		

phosphoribosylanthranilate transferase [Arabidopsis thaliana]'

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o2.tc	Method	TBLASTX:Cress
Start	3273	End	5482
GI	none	Score	42
Exons	3273..3305, 3280..3309, 3298..3483, 3309..3500, 3511..3693, 3531..3695, 3702..3887, 3703..3888, 5360..5482		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o1.tw	Method	TBLASTX:Wheat
Start	3283	End	5476
GI	none	Score	166
Exons	3283..3501, 3288..3500, 3528..3683, 3535..3675, 3546..3686, 5360..5476		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o4.tm	Method	TBLASTX:Maize
Start	3547	End	3851
GI	none	Score	281
Exons	3547..3849, 3547..3846, 3549..3851		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o2.ts	Method	TBLASTX:Soybean
Start	3576	End	4729
GI	none	Score	272
Exons	3576..3890, 3583..3852, 3647..3886, 3924..4190, 3952..4188, 4010..4198, 4217..4306, 4218..4265, 4310..4381, 4320..4379, 4610..4729		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o2.tm	Method	TBLASTX:Maize
Start	3852	End	4342
GI	none	Score	61
Exons	3852..3914, 3856..3915, 3901..3930, 3912..3932, 3930..4211, 3930..4211, 3931..4215, 4217..4342, 4218..4340		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o4.tc	Method	TBLASTX:Cress
Start	3894	End	4276
GI	none	Score	97
Exons	3894..4169, 3903..4181, 3925..4182, 4217..4276, 4217..4273		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-

Start	2511	End	7486
Name	OJ990808_57.0118.C20.o3.tm	Method	TBLASTX:Maize
Start	4343	End	5479
GI	none	Score	249
Exons	4343..4666, 4344..4667, 4345..4668, 4410..4667, 5375..5479		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o4.ts	Method	TBLASTX:Soybean
Start	4409	End	4609
GI	none	Score	112
Exons	4409..4609, 4413..4607		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o3.tc	Method	TBLASTX:Cress
Start	4493	End	4832
GI	none	Score	226
Exons	4493..4744, 4494..4742, 4502..4744, 4596..4781, 4776..4832		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o6.tm	Method	TBLASTX:Maize
Start	4670	End	5078
GI	none	Score	188
Exons	4670..4843, 4670..4933, 4838..4933, 4841..4867, 4910..4990, 4922..4963, 4988..5074, 4992..5075, 4995..5078		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o2.tw	Method	TBLASTX:Wheat
Start	4919	End	5270
GI	none	Score	36
Exons	4919..4996, 4926..4943, 4953..4994, 4955..5122, 4987..5130, 4992..5132, 4995..5147, 5157..5270, 5159..5266, 5160..5270		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o2.np	Method	AAT/NAP
Start	5048	End	5548
GI	4539453	Score	434
Exons	5048..5548		
GI Descrip.	(AL049500) putative protein [Arabidopsis thaliana]		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o3.ts	Method	TBLASTX:Soybean
Start	5117	End	5530
GI	none	Score	84
Exons	5117..5482, 5151..5297, 5483..5530		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o3.gp	Method	AAT/GAP
Start	5152	End	7486
GI	42439_1.R1084	Score	1127
Exons	5152..5590, 7345..7486		
GI Descrip.	'4539453/emb|CAB39933.1| 2.0e-44 (AL049500) putative protein [Arabidopsis thaliana]'		

Seq. No.	32528	Seq. ID	OJ990808_57.0118.C20
Gene No.	67484	Strand	-
Start	2511	End	7486
Name	OJ990808_57.0118.C20.o7.tm	Method	TBLASTX:Maize
Start	5270	End	5531
GI	none	Score	121
Exons	5270..5374, 5271..5369, 5276..5374, 5480..5527, 5481..5531		

Seq. No.	32529	Seq. ID	OJ990808_57.0118.C21
Gene No.	67485	Strand	+
Start	1	End	1649
Name	OJ990808_57.0118.C21.o1.np	Method	AAT/NAP
Start	1	End	1649
GI	6721512	Score	115
Exons	1..133, 161..298, 1578..1649		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32529	Seq. ID	OJ990808_57.0118.C21
Gene No.	67485	Strand	+
Start	1	End	1649
Name	OJ990808_57.0118.C21.o3.np	Method	AAT/NAP
Start	9	End	1649
GI	6721561	Score	503
Exons	9..77, 1036..1227, 1297..1355, 1429..1649		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32529	Seq. ID	OJ990808_57.0118.C21
Gene No.	67485	Strand	+
Start	1	End	1649
Name	OJ990808_57.0118.C21.o1.gs	Method	GENSCAN
Start	461	End	1612
GI	none	Score	.88
Exons	461..545, 572..686, 845..968, 1036..1355, 1429..1612		

Seq. No.	32529	Seq. ID	OJ990808_57.0118.C21
Gene No.	67485	Strand	+
Start	1	End	1649
Name	OJ990808_57.0118.C21.o2.np	Method	AAT/NAP
Start	617	End	1649
GI	6721558	Score	93
Exons	617..692, 821..968, 1481..1649		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein		

[Oryza sativa]

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67486	Strand	+
Start	7566	End	11055
Name	OJ990808_57.0118.C22.o3.np	Method	AAT/NAP
Start	7566	End	11055
GI	6721512	Score	104
Exons	7566..7595, 9256..9347, 9375..9514, 11020..11055		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67487	Strand	-
Start	1492	End	6021
Name	OJ990808_57.0118.C22.o1.np	Method	AAT/NAP
Start	1492	End	6021
GI	5902445	Score	2881
Exons	1492..2737, 2768..3217, 4632..6021		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o2.tw	Method	TBLASTX:Wheat
Start	1501	End	2109
GI	none	Score	67
Exons	1501..1632, 1502..1627, 1660..2109, 1853..1960, 2006..2104		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o4.tm	Method	TBLASTX:Maize
Start	1537	End	1803
GI	none	Score	49
Exons	1537..1620, 1571..1627, 1615..1746, 1621..1803		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o5.tw	Method	TBLASTX:Wheat
Start	2233	End	2616
GI	none	Score	176
Exons	2233..2616, 2234..2608		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o2.tm	Method	TBLASTX:Maize
Start	2311	End	2616
GI	none	Score	58
Exons	2311..2616, 2312..2395, 2429..2599		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o7.tw	Method	TBLASTX:Wheat
Start	4776	End	5018

GI	none	Score	115
Exons	4776..5018, 4792..5010		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o3.tm	Method	TBLASTX:Maize
Start	4973	End	5361
GI	none	Score	125
Exons	4973..5011, 5014..5088, 5106..5360, 5128..5361		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o1.ts	Method	TBLASTX:Soybean
Start	5094	End	5429
GI	none	Score	43
Exons	5094..5429, 5185..5229, 5269..5427		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o3.tw	Method	TBLASTX:Wheat
Start	5094	End	5505
GI	none	Score	269
Exons	5094..5465, 5101..5460, 5473..5505		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o1.tm	Method	TBLASTX:Maize
Start	5590	End	5946
GI	none	Score	193
Exons	5590..5946, 5591..5884		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o1.tw	Method	TBLASTX:Wheat
Start	5621	End	6075
GI	none	Score	353
Exons	5621..6067, 5622..5735, 5632..6075, 5635..6075		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o2.ts	Method	TBLASTX:Soybean
Start	5671	End	6036
GI	none	Score	99
Exons	5671..5805, 5842..6036		

Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o2.np	Method	AAT/NAP
Start	6088	End	10579
GI	5902444	Score	1008

Exons	6088..7745, 7793..7879, 8928..9151, 10551..10579		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o4.tw	Method	TBLASTX:Wheat
Start	6268	End	6723
GI	none	Score	95
Exons	6268..6504, 6283..6492, 6541..6723, 6542..6715		
Seq. No.	32530	Seq. ID	OJ990808_57.0118.C22
Gene No.	67488	Strand	-
Start	6088	End	10579
Name	OJ990808_57.0118.C22.o6.tw	Method	TBLASTX:Wheat
Start	7354	End	7751
GI	none	Score	53
Exons	7354..7530, 7409..7552, 7527..7613, 7587..7700, 7639..7689, 7701..7751		
Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67489	Strand	+
Start	7441	End	13142
Name	OJ990808_57.0118.C23.o2.gs	Method	GENSCAN
Start	7441	End	13142
GI	none	Score	.62
Exons	7441..7450, 8908..8994, 9100..9175, 9500..9995, 10097..10539, 12381..12526, 12625..13142		
Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67489	Strand	+
Start	7441	End	13142
Name	OJ990808_57.0118.C23.o2.np	Method	AAT/NAP
Start	8651	End	10384
GI	6721512	Score	57
Exons	8651..8758, 10311..10384		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67489	Strand	+
Start	7441	End	13142
Name	OJ990808_57.0118.C23.o1.gp	Method	AAT/GAP
Start	11919	End	12024
GI	uC-osflcyp088b12b1	Score	145
Exons	11919..12024		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67490	Strand	+
Start	17940	End	18075
Name	OJ990808_57.0118.C23.o5.np	Method	AAT/NAP
Start	17940	End	18075
GI	6721512	Score	89
Exons	17940..18075		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67491	Strand	+
Start	18395	End	18897
Name	OJ990808_57.0118.C23.o6.np	Method	AAT/NAP
Start	18395	End	18897
GI	6721519	Score	53
Exons	18395..18481, 18752..18897		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67492	Strand	+
Start	19289	End	19395
Name	OJ990808_57.0118.C23.o7.np	Method	AAT/NAP
Start	19289	End	19395
GI	5922619	Score	139
Exons	19289..19395		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67493	Strand	+
Start	20281	End	21747
Name	OJ990808_57.0118.C23.o6.gs	Method	GENSCAN
Start	20281	End	21747
GI	none	Score	.92
Exons	20281..20317, 20881..21130, 21597..21747		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67493	Strand	+
Start	20281	End	21747
Name	OJ990808_57.0118.C23.o2.gp	Method	AAT/GAP
Start	20575	End	21650
GI	28813_1.R1084	Score	834
Exons	20575..20699, 20865..21130, 21597..21650		
GI Descrip.	'1419368/emb|CAA66310| 6.0e-44 (X97725) actin depolymerizing factor [Zea mays]'		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67493	Strand	+
Start	20281	End	21747
Name	OJ990808_57.0118.C23.o9.np	Method	AAT/NAP
Start	20862	End	21744
GI	1419368	Score	570
Exons	20862..21130, 21597..21744		
GI Descrip.	(X97725) actin depolymerizing factor [Zea mays]		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67494	Strand	-
Start	768	End	1830
Name	OJ990808_57.0118.C23.o1.np	Method	AAT/NAP
Start	768	End	1830
GI	6630686	Score	62
Exons	768..855, 1737..1830		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67495	Strand	-
Start	13804	End	16847
Name	OJ990808_57.0118.C23.o3.np	Method	AAT/NAP
Start	13763	End	16847
GI	5902445	Score	2960
Exons	13763..15007, 15047..16847		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67495	Strand	-
Start	13804	End	16847
Name	OJ990808_57.0118.C23.o3.gs	Method	GENSCAN
Start	13804	End	14136
GI	none	Score	.77
Exons	13804..14136		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67495	Strand	-
Start	13804	End	16847
Name	OJ990808_57.0118.C23.o4.gs	Method	GENSCAN
Start	14384	End	16658
GI	none	Score	.82
Exons	14384..15381, 15473..15858, 16057..16658		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67496	Strand	-
Start	16911	End	18390
Name	OJ990808_57.0118.C23.o5.gs	Method	GENSCAN
Start	16911	End	18390
GI	none	Score	.55
Exons	16911..17591, 17610..17879, 17939..18012, 18147..18390		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67496	Strand	-
Start	16911	End	18390
Name	OJ990808_57.0118.C23.o4.np	Method	AAT/NAP
Start	16914	End	17695
GI	5902444	Score	595
Exons	16914..17695		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67497	Strand	-
Start	19535	End	19612
Name	OJ990808_57.0118.C23.o8.np	Method	AAT/NAP
Start	19535	End	19612
GI	6630699	Score	72
Exons	19535..19612		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o3.tw	Method	TBLASTX:Wheat

Start	11217	End	17549
GI	none	Score	95
Exons	11217..11381, 17094..17330, 17109..17318, 17212..17328, 17367..17549, 17368..17541		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o7.tw	Method	TBLASTX:Wheat
Start	13772	End	14380
GI	none	Score	59
Exons	13772..13903, 13773..13898, 13945..14283, 14123..14212, 14204..14380, 14277..14366		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o4.tw	Method	TBLASTX:Wheat
Start	14501	End	14887
GI	none	Score	221
Exons	14501..14887, 14505..14879		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o3.tm	Method	TBLASTX:Maize
Start	14582	End	14887
GI	none	Score	172
Exons	14582..14887, 14583..14870		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o8.tw	Method	TBLASTX:Wheat
Start	15092	End	15370
GI	none	Score	57
Exons	15092..15370, 15096..15251, 15291..15365		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o6.tw	Method	TBLASTX:Wheat
Start	15372	End	15762
GI	none	Score	57
Exons	15372..15527, 15406..15498, 15535..15762, 15537..15761		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o2.ts	Method	TBLASTX:Soybean
Start	15852	End	16277
GI	none	Score	81
Exons	15852..16277, 16093..16218		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641

Name	OJ990808_57.0118.C23.o2.tw	Method	TBLASTX:Wheat
Start	15907	End	16331
GI	none	Score	249
Exons	15907..16221, 15909..16331, 15942..16328		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o4.tm	Method	TBLASTX:Maize
Start	16005	End	16388
GI	none	Score	110
Exons	16005..16388, 16006..16221		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o1.tm	Method	TBLASTX:Maize
Start	16416	End	16772
GI	none	Score	126
Exons	16416..16772, 16417..16650, 16470..16718		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o1.tw	Method	TBLASTX:Wheat
Start	16446	End	16902
GI	none	Score	126
Exons	16446..16901, 16447..16653, 16771..16902		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o1.tc	Method	TBLASTX:Cress
Start	20864	End	21747
GI	none	Score	324
Exons	20864..21121, 20865..21131, 21595..21720, 21601..21747		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o5.tw	Method	TBLASTX:Wheat
Start	20864	End	21131
GI	none	Score	351
Exons	20864..21130, 20865..21131		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o1.ts	Method	TBLASTX:Soybean
Start	20864	End	21747
GI	none	Score	349
Exons	20864..21130, 20865..21131, 21589..21720, 21598..21747		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o2.tm	Method	TBLASTX:Maize

Start	20864	End	21707
GI	none	Score	368
Exons	20864..21130, 20865..21131, 21598..21705, 21620..21706, 21621..21707		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o9.tw	Method	TBLASTX:Wheat
Start	21585	End	21747
GI	none	Score	124
Exons	21585..21746, 21587..21709, 21595..21720, 21598..21747, 21672..21740		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o7.gs	Method	GENSCAN
Start	22242	End	24588
GI	none	Score	.72
Exons	22242..22361, 24514..24588		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o5.tm	Method	TBLASTX:Maize
Start	24262	End	24640
GI	none	Score	60
Exons	24262..24291, 24307..24354, 24319..24354, 24356..24415, 24363..24416, 24512..24640, 24512..24628, 24514..24639		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o3.gp	Method	AAT/GAP
Start	24289	End	24641
GI	LIB3434-047-P1-K1-A6	Score	473
Exons	24289..24426, 24514..24641		
GI Descrip.	'4454011/emb|CAA23064| 7.0e-13 (AL035396) putative protein [Arabidopsis thaliana]'		

Seq. No.	32531	Seq. ID	OJ990808_57.0118.C23
Gene No.	67498	Strand	-
Start	22242	End	24641
Name	OJ990808_57.0118.C23.o10.np	Method	AAT/NAP
Start	24484	End	24641
GI	4454011	Score	90
Exons	24484..24641		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	32532	Seq. ID	OJ990808_57.0118.C24
Gene No.	67499	Strand	+
Start	46	End	2375
Name	OJ990808_57.0118.C24.o1.gp	Method	AAT/GAP
Start	46	End	344
GI	LIB3434-047-P1-K1-A6	Score	490
Exons	46..344		

GI Descrip. '4454011/emb|CAA23064| 7.0e-13 (AL035396) putative protein [Arabidopsis thaliana]'

Seq. No.	32532	Seq. ID	OJ990808_57.0118.C24
Gene No.	67499	Strand	+
Start	46	End	2375
Name	OJ990808_57.0118.C24.o1.gs	Method	GENSCAN
Start	102	End	2375
GI	none	Score	.53
Exons	102..245, 932..1124, 2284..2375		

Seq. No.	32532	Seq. ID	OJ990808_57.0118.C24
Gene No.	67500	Strand	-
Start	17	End	6120
Name	OJ990808_57.0118.C24.o1.np	Method	AAT/NAP
Start	17	End	6120
GI	4454011	Score	675
Exons	17..409, 2528..2580, 3759..3916, 4599..4666, 4752..4889, 4978..5200, 5690..5795, 6016..6120		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	32532	Seq. ID	OJ990808_57.0118.C24
Gene No.	67500	Strand	-
Start	17	End	6120
Name	OJ990808_57.0118.C24.o1.tm	Method	TBLASTX:Maize
Start	40	End	5827
GI	none	Score	73
Exons	40..198, 45..215, 45..176, 46..183, 47..184, 163..408, 164..409, 173..409, 177..413, 3705..3827, 3706..3825, 3709..3834, 3710..3832, 3821..3916, 3829..3918, 3829..3915, 4597..4665, 4598..4666, 4599..4667, 4752..4895, 4752..4895, 4753..4908, 4805..4954, 4969..5139, 4979..5140, 4979..5155, 4980..5144, 5688..5789, 5688..5798, 5689..5799, 5690..5800, 5690..5827		

Seq. No.	32532	Seq. ID	OJ990808_57.0118.C24
Gene No.	67500	Strand	-
Start	17	End	6120
Name	OJ990808_57.0118.C24.o2.gp	Method	AAT/GAP
Start	342	End	3899
GI	2427521	Score	813
Exons	342..407, 3205..3409, 3710..3899		

Seq. No.	32532	Seq. ID	OJ990808_57.0118.C24
Gene No.	67500	Strand	-
Start	17	End	6120
Name	OJ990808_57.0118.C24.o2.gs	Method	GENSCAN
Start	3071	End	5789
GI	none	Score	.63
Exons	3071..3149, 3710..3916, 4172..4251, 4752..4889, 4978..5135, 5690..5789		

Seq. No.	32532	Seq. ID	OJ990808_57.0118.C24
Gene No.	67500	Strand	-
Start	17	End	6120
Name	OJ990808_57.0118.C24.o1.ts	Method	TBLASTX:Soybean
Start	3841	End	6111
GI	none	Score	95

Exons	3841..3915, 4598..4663, 4752..4895, 4934..5143, 4978..5145, 5724..5882, 5758..5799, 6010..6111		
Seq. No.	32533	Seq. ID	OJ990808_57.0118.C25
Gene No.	67501	Strand	+
Start	1	End	601
Name	OJ990808_57.0118.C25.o1.np	Method	AAT/NAP
Start	1	End	601
GI	5852093	Score	52
Exons	1..22, 302..417, 540..601		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	32534	Seq. ID	OJ990808_57.0118.C26
Gene No.	67502	Strand	+
Start	1	End	539
Name	OJ990808_57.0118.C26.o1.np	Method	AAT/NAP
Start	1	End	539
GI	6742729	Score	778
Exons	1..539		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	32534	Seq. ID	OJ990808_57.0118.C26
Gene No.	67502	Strand	+
Start	1	End	539
Name	OJ990808_57.0118.C26.o1.tw	Method	TBLASTX:Wheat
Start	77	End	537
GI	none	Score	468
Exons	77..442, 78..455, 288..455, 440..523, 441..536, 442..537		
Seq. No.	32534	Seq. ID	OJ990808_57.0118.C26
Gene No.	67502	Strand	+
Start	1	End	539
Name	OJ990808_57.0118.C26.o1.tm	Method	TBLASTX:Maize
Start	120	End	434
GI	none	Score	317
Exons	120..434, 131..406, 204..434		
Seq. No.	32535	Seq. ID	OJ990808_57.0118.C28
Gene No.	67503	Strand	+
Start	1	End	210
Name	OJ990808_57.0118.C28.o2.gp	Method	AAT/GAP
Start	1	End	210
GI	jC-osleLIB3474037g11a1	Score	271
Exons	1..56, 110..210		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		
Seq. No.	32535	Seq. ID	OJ990808_57.0118.C28
Gene No.	67504	Strand	-
Start	1	End	75
Name	OJ990808_57.0118.C28.o1.gp	Method	AAT/GAP
Start	1	End	75
GI	LIB3431-056-P1-N1-E7	Score	125
Exons	1..75		
GI Descrip.	'5733872/gb|AAD49760.1|AC007932_8 2.0e-13 (AC007932) Similar to gi_4982048 ribosomal protein L18 from Thermotoga maritima genome gb_AE001798. ESTs gb_Z35613, gb_T75951, gb_T22182, gb_T45962,		

gb_H76281 and gb_AI100025 come from this gene. [Arabidopsis thaliana]'

Seq. No.	32536	Seq. ID	OJ990808_57.0118.C29
Gene No.	67505	Strand	-
Start	27	End	146
Name	OJ990808_57.0118.C29.o1.gs	Method	GENSCAN
Start	27	End	146
GI	none	Score	.65
Exons	27..146		

Seq. No.	32537	Seq. ID	OJ990808_57.0118.C30
Gene No.	67506	Strand	+
Start	1	End	721
Name	OJ990808_57.0118.C30.o1.np	Method	AAT/NAP
Start	1	End	721
GI	6721512	Score	98
Exons	1..117, 607..721		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67507	Strand	+
Start	1	End	4064
Name	OJ990808_43.0110.C2.o1.gp	Method	AAT/GAP
Start	1	End	3026
GI	uC-osflM202055d07b1	Score	674
Exons	1..122, 2416..2526, 2664..2798, 2990..3026		
GI Descrip.	'5441877/dbj|BAA82375.1| 7.0e-67 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]'		

Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67507	Strand	+
Start	1	End	4064
Name	OJ990808_43.0110.C2.o1.np	Method	AAT/NAP
Start	1	End	3987
GI	5441877	Score	1640
Exons	1..122, 2416..2526, 2664..2800, 2991..3104, 3200..3399, 3527..3724, 3828..3987		
GI Descrip.	(AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]		

Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67507	Strand	+
Start	1	End	4064
Name	OJ990808_43.0110.C2.o2.gs	Method	GENSCAN
Start	837	End	4064
GI	none	Score	.73
Exons	837..946, 1662..1724, 1864..1919, 2416..2526, 2664..2800, 2991..3092, 3200..3399, 3584..3724, 3828..3878, 3932..4064		

Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67507	Strand	+
Start	1	End	4064
Name	OJ990808_43.0110.C2.o2.gp	Method	AAT/GAP
Start	3198	End	3894
GI	LIB3433-030-P1-K1-A7	Score	867

Exons	3198..3399, 3527..3724, 3828..3894		
GI Descrip.	'5441877/dbj|BAA82375.1| 1.0e-80 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]'		
Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o1.tm	Method	TBLASTX:Maize
Start	3	End	4100
GI	none	Score	99
Exons	3..56, 3..62, 4..72, 67..114, 83..121, 2414..2557, 2415..2558, 2660..2803, 2662..2802, 2663..2812, 2988..3104, 2989..3096, 2990..3103, 3197..3400, 3197..3400, 3199..3402, 3199..3420, 3516..3674, 3524..3724, 3525..3725, 3526..3726, 3825..3995, 3825..3995, 3826..4017, 4080..4100		
Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o1.ts	Method	TBLASTX:Soybean
Start	3	End	4013
GI	none	Score	60
Exons	3..38, 33..56, 83..121, 2414..2533, 2415..2528, 2660..2800, 2662..2793, 2663..2800, 2664..2801, 2988..3104, 2989..3105, 2989..3096, 2993..3103, 3197..3400, 3199..3402, 3199..3399, 3524..3655, 3525..3665, 3525..3659, 3825..3977, 3826..3978, 3858..4013		
Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o2.tc	Method	TBLASTX:Cress
Start	6	End	3662
GI	none	Score	70
Exons	6..56, 83..121, 2414..2533, 2415..2528, 2660..2803, 2662..2802, 2663..2824, 2976..3110, 3200..3400, 3524..3658, 3525..3662		
Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o1.tw	Method	TBLASTX:Wheat
Start	3036	End	3664
GI	none	Score	67
Exons	3036..3104, 3203..3400, 3232..3363, 3525..3659, 3548..3664		
Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o3.gs	Method	GENSCAN
Start	5492	End	13621
GI	none	Score	.88
Exons	5492..5552, 5847..6046, 6491..8548, 9110..9538, 9951..10049, 10391..10726, 11692..12000, 12935..13621		
Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-

Start	5492	End	13878
Name	OJ990808_43.0110.C2.o2.np	Method	AAT/NAP
Start	5628	End	13878
GI	6692266	Score	2061
Exons	5628..5758, 5870..6046, 6491..7988, 8026..8548, 9110..9538, 9951..10049, 10391..10726, 11692..12000, 12935..13621, 13735..13813, 13857..13878		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o5.tm	Method	TBLASTX:Maize
Start	5900	End	6774
GI	none	Score	173
Exons	5900..6046, 5901..6044, 5903..6049, 6467..6520, 6488..6550, 6489..6551, 6495..6557, 6496..6552, 6552..6716, 6553..6717, 6554..6718, 6641..6721, 6703..6774, 6717..6770		

Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o3.tc	Method	TBLASTX:Cress
Start	7172	End	7612
GI	none	Score	87
Exons	7172..7360, 7203..7379, 7346..7429, 7514..7612		

Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o2.ts	Method	TBLASTX:Soybean
Start	7202	End	7423
GI	none	Score	127
Exons	7202..7423, 7203..7409		

Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o4.tm	Method	TBLASTX:Maize
Start	7510	End	7790
GI	none	Score	119
Exons	7510..7614, 7517..7618, 7517..7621, 7646..7789, 7672..7788, 7710..7790		

Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o2.tm	Method	TBLASTX:Maize
Start	8051	End	8467
GI	none	Score	250
Exons	8051..8341, 8118..8333, 8333..8467		

Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o1.tc	Method	TBLASTX:Cress
Start	9110	End	9443

GI	none	Score	158
Exons	9110..9223, 9209..9442, 9276..9443		

Seq. No.	32538	Seq. ID	OJ990808_43.0110.C2
Gene No.	67508	Strand	-
Start	5492	End	13878
Name	OJ990808_43.0110.C2.o3.tm	Method	TBLASTX:Maize
Start	10477	End	10729
GI	none	Score	328
Exons	10477..10728, 10478..10729, 10479..10727		

Seq. No.	32539	Seq. ID	OJ990808_43.0110.C3
Gene No.	67509	Strand	+
Start	8223	End	8385
Name	OJ990808_43.0110.C3.o2.gs	Method	GENSCAN
Start	8223	End	8385
GI	none	Score	.94
Exons	8223..8250, 8255..8385		

Seq. No.	32539	Seq. ID	OJ990808_43.0110.C3
Gene No.	67509	Strand	+
Start	8223	End	8385
Name	OJ990808_43.0110.C3.o4.np	Method	AAT/NAP
Start	8223	End	8382
GI	5441875	Score	258
Exons	8223..8382		
GI Descrip.	(AP000366) hypothetical protein [Oryza sativa]		

Seq. No.	32539	Seq. ID	OJ990808_43.0110.C3
Gene No.	67510	Strand	-
Start	1	End	9139
Name	OJ990808_43.0110.C3.o1.np	Method	AAT/NAP
Start	1	End	512
GI	6692266	Score	191
Exons	1..512		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	32539	Seq. ID	OJ990808_43.0110.C3
Gene No.	67510	Strand	-
Start	1	End	9139
Name	OJ990808_43.0110.C3.o1.gs	Method	GENSCAN
Start	326	End	6153
GI	none	Score	.87
Exons	326..514, 1598..1920, 2307..2398, 5990..6153		

Seq. No.	32539	Seq. ID	OJ990808_43.0110.C3
Gene No.	67510	Strand	-
Start	1	End	9139
Name	OJ990808_43.0110.C3.o2.np	Method	AAT/NAP
Start	4936	End	6318
GI	6056391	Score	327
Exons	4936..5190, 5426..6318		
GI Descrip.	(AC009324) Similar to retrotransposon proteins [Arabidopsis thaliana]		

Seq. No.	32539	Seq. ID	OJ990808_43.0110.C3
Gene No.	67510	Strand	-

Start	1	End	9139
Name	OJ990808_43.0110.C3.o3.np	Method	AAT/NAP
Start	6008	End	9139
GI	553073	Score	117
Exons	6008..6323, 9082..9139		
GI Descrip.	(M94481) reverse transcriptase [Zea mays]		

Seq. No.	32539	Seq. ID	OJ990808_43.0110.C3
Gene No.	67511	Strand	-
Start	9553	End	10148
Name	OJ990808_43.0110.C3.o2.tm	Method	TBLASTX:Maize
Start	5427	End	5682
GI	none	Score	101
Exons	5427..5624, 5428..5619, 5616..5681, 5626..5682		

Seq. No.	32539	Seq. ID	OJ990808_43.0110.C3
Gene No.	67511	Strand	-
Start	9553	End	10148
Name	OJ990808_43.0110.C3.o1.tm	Method	TBLASTX:Maize
Start	5776	End	6132
GI	none	Score	78
Exons	5776..5892, 5789..5893, 5890..5967, 5918..5971, 5964..6053, 5966..6061, 6040..6132		

Seq. No.	32539	Seq. ID	OJ990808_43.0110.C3
Gene No.	67511	Strand	-
Start	9553	End	10148
Name	OJ990808_43.0110.C3.o3.gs	Method	GENSCAN
Start	9553	End	10094
GI	none	Score	.57
Exons	9553..9917, 9962..10094		

Seq. No.	32539	Seq. ID	OJ990808_43.0110.C3
Gene No.	67511	Strand	-
Start	9553	End	10148
Name	OJ990808_43.0110.C3.o5.np	Method	AAT/NAP
Start	9556	End	10148
GI	5441874	Score	1055
Exons	9556..10148		
GI Descrip.	(AP000366) Similar to maize transposon MuDR mudrA-like protein. (AC002340) [Oryza sativa]		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67512	Strand	+
Start	3884	End	4558
Name	OJ990808_43.0110.C4.o1.gs	Method	GENSCAN
Start	3884	End	4558
GI	none	Score	.69
Exons	3884..3955, 4174..4243, 4365..4558		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67513	Strand	+
Start	9634	End	15454
Name	OJ990808_43.0110.C4.o3.gs	Method	GENSCAN
Start	9634	End	15454
GI	none	Score	.48
Exons	9634..10193, 10581..10629, 11576..12206, 13161..13294,		

14095..14187, 15186..15218, 15299..15454

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67513	Strand	+
Start	9634	End	15454
Name	OJ990808_43.0110.C4.o3.np	Method	AAT/NAP
Start	9634	End	15451
GI	5441873	Score	2692
Exons	9634..10193, 10581..10629, 11576..12206, 13161..13294, 14095..14187, 15186..15218, 15299..15451		
GI Descrip.	(AP000366) hypothetical protein [Oryza sativa]		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67513	Strand	+
Start	9634	End	15454
Name	OJ990808_43.0110.C4.o2.gp	Method	AAT/GAP
Start	11936	End	12301
GI	LIB3433-003-Q6-K6-F3	Score	665
Exons	11936..12301		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67514	Strand	+
Start	32158	End	32809
Name	OJ990808_43.0110.C4.o4.np	Method	AAT/NAP
Start	32158	End	32809
GI	6539553	Score	1070
Exons	32158..32809		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67515	Strand	-
Start	1	End	7804
Name	OJ990808_43.0110.C4.o1.np	Method	AAT/NAP
Start	1	End	7804
GI	5441874	Score	4098
Exons	1..116, 2534..2616, 5581..7414, 7485..7804		
GI Descrip.	(AP000366) Similar to maize transposon MuDR mudrA-like protein. (AC002340) [Oryza sativa]		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67515	Strand	-
Start	1	End	7804
Name	OJ990808_43.0110.C4.o1.gp	Method	AAT/GAP
Start,	5388	End	5819
GI	15542_1.R1084	Score	856
Exons	5388..5819		
GI Descrip.	'5441874/dbj|BAA82373.1| 2.0e-41 (AP000366) Similar to maize transposon MuDR mudrA-like protein. (AC002340) [Oryza sativa]'		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67515	Strand	-
Start	1	End	7804

Name	OJ990808_43.0110.C4.o2.gs	Method	GENSCAN
Start	5572	End	7804
GI	none	Score	.48
Exons	5572..7414, 7485..7804		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67516	Strand	-
Start	9082	End	9624
Name	OJ990808_43.0110.C4.o2.np	Method	AAT/NAP
Start	9082	End	9624
GI	4826734	Score	31
Exons	9082..9165, 9501..9624		
GI Descrip.	fusion, derived from t(12;16) malignant liposarcoma gi|544357|sp|P35637|FUS_HUMAN RNA-BINDING PROTEIN FUS/TLS gi|423076|pir||S33799 RNA-binding protein FUS - human gi|386157|bbs|133383 (S62140) TLS=nuclear RNA-binding protein [human, Peptide, 526 aa] [Homo sapiens] gi|3582784 (AF071213) FUS/TLS protein [Homo sapiens]		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o2.tw	Method	TBLASTX:Wheat
Start	5547	End	6108
GI	none	Score	171
Exons	5547..5693, 5578..5751, 5582..5719, 5740..6018, 5770..6009, 5774..6022, 5778..6020, 5989..6108, 6034..6066		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o3.tc	Method	TBLASTX:Cress
Start	5581	End	5958
GI	none	Score	140
Exons	5581..5688, 5773..5958		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o1.ts	Method	TBLASTX:Soybean
Start	5587	End	5989
GI	none	Score	135
Exons	5587..5718, 5770..5988, 5777..5989		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o2.tm	Method	TBLASTX:Maize
Start	5596	End	6198
GI	none	Score	280
Exons	5596..6003, 5598..6011, 5747..6019, 5750..6019, 6037..6198, 6043..6069, 6047..6196		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o1.tm	Method	TBLASTX:Maize

Start	6650	End	7183
GI	none	Score	89
Exons	6650..6748, 6652..6699, 6688..7179, 6697..7179, 6707..7183		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o2.ts	Method	TBLASTX:Soybean
Start	6776	End	7033
GI	none	Score	122
Exons	6776..7033, 6784..7032		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o1.tc	Method	TBLASTX:Cress
Start	6877	End	7293
GI	none	Score	72
Exons	6877..7293, 6911..7042		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o4.ts	Method	TBLASTX:Soybean
Start	7064	End	7267
GI	none	Score	112
Exons	7064..7267, 7081..7266		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o1.tw	Method	TBLASTX:Wheat
Start	7083	End	7560
GI	none	Score	250
Exons	7083..7271, 7084..7428, 7084..7416, 7475..7558, 7485..7559, 7485..7559, 7486..7560		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o2.tc	Method	TBLASTX:Cress
Start	7502	End	7826
GI	none	Score	97
Exons	7502..7630, 7530..7637, 7655..7825, 7704..7826		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o3.ts	Method	TBLASTX:Soybean
Start	7508	End	7846
GI	none	Score	78
Exons	7508..7642, 7539..7616, 7632..7841, 7655..7846		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o4.tm	Method	TBLASTX:Maize

Start	9994	End	11941
GI	none	Score	230
Exons	9994..10194, 10053..10193, 10254..10442, 10290..10433, 10292..10441, 10531..10629, 10541..10630, 10581..10634, 11602..11781, 11609..11785, 11659..11799, 11802..11867, 11825..11872, 11873..11941, 11882..11938		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o4.tw	Method	TBLASTX:Wheat
Start	10143	End	10629
GI	none	Score	42
Exons	10143..10193, 10144..10191, 10249..10434, 10285..10437, 10287..10442, 10290..10439, 10292..10444, 10531..10581, 10600..10629		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67517	Strand	-
Start	18324	End	28141
Name	OJ990808_43.0110.C4.o4.gs	Method	GENSCAN
Start	18324	End	28141
GI	none	Score	.87
Exons	18324..18703, 21138..21243, 23046..23102, 24262..24357, 25158..25346, 25501..25564, 26461..26623, 26809..26883, 27943..28141		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67518	Strand	
Start	32152	End	32600
Name	OJ990808_43.0110.C4.o3.tw	Method	TBLASTX:Wheat
Start	32152	End	32538
GI	none	Score	344
Exons	32152..32538, 32163..32537		

Seq. No.	32540	Seq. ID	OJ990808_43.0110.C4
Gene No.	67518	Strand	
Start	32152	End	32600
Name	OJ990808_43.0110.C4.o3.tm	Method	TBLASTX:Maize
Start	32287	End	32600
GI	none	Score	357
Exons	32287..32598, 32293..32595, 32295..32600		

Seq. No.	32541	Seq. ID	OJ990808_43.0110.C5
Gene No.	67519	Strand	+
Start	1	End	1362
Name	OJ990808_43.0110.C5.o1.np	Method	AAT/NAP
Start	1	End	1362
GI	6539553	Score	2308
Exons	1..1362		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	32541	Seq. ID	OJ990808_43.0110.C5
Gene No.	67519	Strand	+

Start	1	End	1362
Name	OJ990808_43.0110.C5.o2.tm	Method	TBLASTX:Maize
Start	1	End	289
GI	none	Score	263
Exons	1..204, 2..211, 8..211, 9..254, 226..270, 227..289		

Seq. No.	32541	Seq. ID	OJ990808_43.0110.C5
Gene No.	67519	Strand	+
Start	1	End	1362
Name	OJ990808_43.0110.C5.o2.ts	Method	TBLASTX:Soybean
Start	233	End	619
GI	none	Score	85
Exons	233..388, 380..619		

Seq. No.	32541	Seq. ID	OJ990808_43.0110.C5
Gene No.	67519	Strand	+
Start	1	End	1362
Name	OJ990808_43.0110.C5.o2.tw	Method	TBLASTX:Wheat
Start	338	End	676
GI	none	Score	269
Exons	338..676, 383..655		

Seq. No.	32541	Seq. ID	OJ990808_43.0110.C5
Gene No.	67519	Strand	+
Start	1	End	1362
Name	OJ990808_43.0110.C5.o1.gs	Method	GENSCAN
Start	371	End	1360
GI	none	Score	.6
Exons	371..1360		

Seq. No.	32541	Seq. ID	OJ990808_43.0110.C5
Gene No.	67519	Strand	+
Start	1	End	1362
Name	OJ990808_43.0110.C5.o1.tm	Method	TBLASTX:Maize
Start	407	End	841
GI	none	Score	295
Exons	407..841, 670..816		

Seq. No.	32541	Seq. ID	OJ990808_43.0110.C5
Gene No.	67519	Strand	+
Start	1	End	1362
Name	OJ990808_43.0110.C5.o1.ts	Method	TBLASTX:Soybean
Start	629	End	1027
GI	none	Score	186
Exons	629..853, 644..838, 854..1027, 862..900		

Seq. No.	32541	Seq. ID	OJ990808_43.0110.C5
Gene No.	67519	Strand	+
Start	1	End	1362
Name	OJ990808_43.0110.C5.o1.tc	Method	TBLASTX:Cress
Start	644	End	1051
GI	none	Score	117
Exons	644..844, 857..1051		

Seq. No.	32541	Seq. ID	OJ990808_43.0110.C5
Gene No.	67519	Strand	+
Start	1	End	1362

Name	OJ990808_43.0110.C5.o1.tw	Method	TBLASTX:Wheat
Start	677	End	1362
GI	none	Score	628
Exons	677..1126, 685..1164, 1184..1357, 1223..1357, 1252..1362, 1273..1362		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67520	Strand	+
Start	1	End	5887
Name	OJ990808_43.0110.C6.o1.np	Method	AAT/NAP
Start	1	End	3680
GI	5441880	Score	3036
Exons	1..297, 820..970, 1076..1412, 1977..2275, 2352..2610, 2855..2952, 3199..3330, 3446..3680		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67520	Strand	+
Start	1	End	5887
Name	OJ990808_43.0110.C6.o1.gs	Method	GENSCAN
Start	220	End	5887
GI	none	Score	.49
Exons	220..297, 820..970, 1076..1322, 1378..1412, 1572..1887, 1977..2275, 2352..2610, 2703..2828, 2855..2952, 3199..3330, 3394..3441, 3446..3648, 3799..3965, 4105..4138, 4634..4795, 4928..5023, 5229..5887		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67520	Strand	+
Start	1	End	5887
Name	OJ990808_43.0110.C6.o1.gp	Method	AAT/GAP
Start	2103	End	2602
GI	LIB3475-007-P1-K1-G8	Score	809
Exons	2103..2275, 2352..2602		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67520	Strand	+
Start	1	End	5887
Name	OJ990808_43.0110.C6.o2.gp	Method	AAT/GAP
Start	3784	End	4237
GI	LIB3431-045-P1-N1-A10	Score	844
Exons	3784..4237		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67520	Strand	+
Start	1	End	5887
Name	OJ990808_43.0110.C6.o4.gp	Method	AAT/GAP
Start	5159	End	5697
GI	2801134	Score	944
Exons	5159..5697		

GI Descrip.	5441879/dbj|BAA82377.1| 3.0e-25 (AP000367) ESTs AU070372(S13446),AU075541(S0353) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC002292) [Oryza sativa]		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67520	Strand	+
Start	1	End	5887
Name	OJ990808_43.0110.C6.o2.np	Method	AAT/NAP
Start	5210	End	5884
GI	5441879	Score	1100
Exons	5210..5884		
GI Descrip.	(AP000367) ESTs AU070372(S13446),AU075541(S0353) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC002292) [Oryza sativa]		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67521	Strand	-
Start	4180	End	4614
Name	OJ990808_43.0110.C6.o3.gp	Method	AAT/GAP
Start	4180	End	4614
GI	7406_1.R1084	Score	577
Exons	4180..4254, 4289..4614		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67522	Strand	-
Start	5704	End	6080
Name	OJ990808_43.0110.C6.o5.gp	Method	AAT/GAP
Start	5704	End	6080
GI	57072_2.R1084	Score	659
Exons	5704..6080		
GI Descrip.	'5441879/dbj|BAA82377.1| 3.0e-25 (AP000367) ESTs AU070372(S13446),AU075541(S0353) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC002292) [Oryza sativa]'		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67523	Strand	-
Start	9134	End	13184
Name	OJ990808_43.0110.C6.o1.tc	Method	TBLASTX:Cress
Start	5407	End	5659
GI	none	Score	358
Exons	5407..5652, 5408..5659		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67523	Strand	-
Start	9134	End	13184
Name	OJ990808_43.0110.C6.o1.tm	Method	TBLASTX:Maize
Start	5407	End	5887
GI	none	Score	64
Exons	5407..5442, 5408..5476, 5450..5692, 5497..5691, 5677..5781, 5681..5887, 5711..5815		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67523	Strand	-

Start	9134	End	13184
Name	OJ990808_43.0110.C6.o1.ts	Method	TBLASTX:Soybean
Start	5407	End	5875
GI	none	Score	50
Exons	5407..5442, 5408..5443, 5447..5692, 5497..5664, 5677..5778, 5681..5875, 5732..5815		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67523	Strand	-
Start	9134	End	13184
Name	OJ990808_43.0110.C6.o1.tw	Method	TBLASTX:Wheat
Start	5492	End	5887
GI	none	Score	206
Exons	5492..5662, 5494..5652, 5684..5776, 5738..5887		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67523	Strand	-
Start	9134	End	13184
Name	OJ990808_43.0110.C6.o2.tc	Method	TBLASTX:Cress
Start	5677	End	5887
GI	none	Score	278
Exons	5677..5778, 5681..5887		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67523	Strand	-
Start	9134	End	13184
Name	OJ990808_43.0110.C6.o2.gs	Method	GENSCAN
Start	9134	End	10859
GI	none	Score	.41
Exons	9134..9146, 9301..9435, 9471..9582, 9731..9767, 10194..10288, 10707..10859		

Seq. No.	32542	Seq. ID	OJ990808_43.0110.C6
Gene No.	67523	Strand	-
Start	9134	End	13184
Name	OJ990808_43.0110.C6.o3.np	Method	AAT/NAP
Start	9291	End	13184
GI	5441878	Score	687
Exons	9291..9435, 9471..9582, 10729..10859, 13114..13184		
GI Descrip.	(AP000367) hypothetical protein [Oryza sativa]		

Seq. No.	32543	Seq. ID	OJ990808_43.0110.C7
Gene No.	67524	Strand	+
Start	1	End	907
Name	OJ990808_43.0110.C7.o1.np	Method	AAT/NAP
Start	1	End	907
GI	4584546	Score	124
Exons	1..31, 428..526, 881..907		
GI Descrip.	(AL049608) putative protein [Arabidopsis thaliana]		

Seq. No.	32543	Seq. ID	OJ990808_43.0110.C7
Gene No.	67524	Strand	+
Start	1	End	907
Name	OJ990808_43.0110.C7.o1.gs	Method	GENSCAN
Start	428	End	513
GI	none	Score	.76
Exons	428..513		

Seq. No.	32544	Seq. ID	OJ990808_43.0110.C8
Gene No.	67525	Strand	-
Start	1	End	1425
Name	OJ990808_43.0110.C8.o1.gp	Method	AAT/GAP
Start	1	End	371
GI	5701669	Score	734
Exons	1..371		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32544	Seq. ID	OJ990808_43.0110.C8
Gene No.	67525	Strand	-
Start	1	End	1425
Name	OJ990808_43.0110.C8.o1.np	Method	AAT/NAP
Start	1	End	972
GI	5441880	Score	1705
Exons	1..972		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32544	Seq. ID	OJ990808_43.0110.C8
Gene No.	67525	Strand	-
Start	1	End	1425
Name	OJ990808_43.0110.C8.o1.tm	Method	TBLASTX:Maize
Start	13	End	414
GI	none	Score	151
Exons	13..252, 14..235, 286..414, 308..406		

Seq. No.	32544	Seq. ID	OJ990808_43.0110.C8
Gene No.	67525	Strand	-
Start	1	End	1425
Name	OJ990808_43.0110.C8.o1.gs	Method	GENSCAN
Start	16	End	1425
GI	none	Score	.55
Exons	16..612, 871..1425		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67526	Strand	+
Start	3338	End	5512
Name	OJ990808_43.0110.C9.o1.np	Method	AAT/NAP
Start	3338	End	5512
GI	5441881	Score	3684
Exons	3338..5512		
GI Descrip.	(AP000367) Similar to putative receptor kinase. (AC002332) [Oryza sativa]		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67527	Strand	+
Start	9194	End	10889
Name	OJ990808_43.0110.C9.o3.gs	Method	GENSCAN
Start	9194	End	10889
GI	none	Score	.63
Exons	9194..9239, 9740..9769, 10231..10340, 10776..10889		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67528	Strand	+
Start	11704	End	12164
Name	OJ990808_43.0110.C9.o4.gs	Method	GENSCAN
Start	11704	End	12164
GI	none	Score	.71
Exons	11704..11938, 11959..12164		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67529	Strand	+
Start	15401	End	15790
Name	OJ990808_43.0110.C9.o6.gs	Method	GENSCAN
Start	15401	End	15790
GI	none	Score	.78
Exons	15401..15790		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67530	Strand	-
Start	7327	End	7970
Name	OJ990808_43.0110.C9.o2.gs	Method	GENSCAN
Start	7327	End	7970
GI	none	Score	.56
Exons	7327..7680, 7692..7970		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67530	Strand	-
Start	7327	End	7970
Name	OJ990808_43.0110.C9.o2.np	Method	AAT/NAP
Start	7344	End	7961
GI	5441882	Score	1044
Exons	7344..7961		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana DNA contig fragment. (Z99707) [Oryza sativa]		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67531	Strand	-
Start	11676	End	12339
Name	OJ990808_43.0110.C9.o3.np	Method	AAT/NAP
Start	11676	End	12339
GI	6069646	Score	729
Exons	11676..12339		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67532	Strand	-
Start	12813	End	13415
Name	OJ990808_43.0110.C9.o5.gs	Method	GENSCAN
Start	12813	End	13415
GI	none	Score	1
Exons	12813..13415		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67532	Strand	-

Start	12813	End	13415
Name	OJ990808_43.0110.C9.o4.np	Method	AAT/NAP
Start	12816	End	13397
GI	5441883	Score	954
Exons	12816..13397		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana BAC genomic sequence. (AC004482) [Oryza sativa]		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67533	Strand	-
Start	18318	End	22885
Name	OJ990808_43.0110.C9.o1.gp	Method	AAT/GAP
Start	17638	End	17954
GI	4716559	Score	612
Exons	17638..17954		
GI Descrip.	5441876/dbj|AP000367.1|AP000367 1.0e-160 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67533	Strand	-
Start	18318	End	22885
Name	OJ990808_43.0110.C9.o7.gs	Method	GENSCAN
Start	18318	End	18896
GI	none	Score	1
Exons	18318..18896		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67533	Strand	-
Start	18318	End	22885
Name	OJ990808_43.0110.C9.o5.np	Method	AAT/NAP
Start	18321	End	20377
GI	5441884	Score	1245
Exons	18321..18884, 20183..20377		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana DNA contig fragment. (Z99707) [Oryza sativa]		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67533	Strand	-
Start	18318	End	22885
Name	OJ990808_43.0110.C9.o8.gs	Method	GENSCAN
Start	19897	End	22885
GI	none	Score	.74
Exons	19897..20043, 20183..20371, 22880..22885		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67534	Strand	-
Start	23666	End	27852
Name	OJ990808_43.0110.C9.o1.tw	Method	TBLASTX:Wheat
Start	4697	End	5119
GI	none	Score	110
Exons	4697..4840, 4841..5014, 5081..5119		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67534	Strand	-
Start	23666	End	27852
Name	OJ990808_43.0110.C9.o1.tc	Method	TBLASTX:Cress
Start	4703	End	5221

GI	none	Score	243
Exons	4703..5014, 4750..4989, 5081..5221, 5086..5190		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67534	Strand	-
Start	23666	End	27852
Name	OJ990808_43.0110.C9.o1.ts	Method	TBLASTX:Soybean
Start	4759	End	5479
GI	none	Score	120
Exons	4759..4833, 4760..4843, 4861..5013, 4862..5011, 5068..5193, 5072..5215, 5279..5479		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67534	Strand	-
Start	23666	End	27852
Name	OJ990808_43.0110.C9.o1.tm	Method	TBLASTX:Maize
Start	4862	End	5446
GI	none	Score	148
Exons	4862..5014, 5080..5193, 5081..5200, 5300..5446		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67534	Strand	-
Start	23666	End	27852
Name	OJ990808_43.0110.C9.o2.tm	Method	TBLASTX:Maize
Start	11706	End	12248
GI	none	Score	76
Exons	11706..11894, 11910..12248, 11932..12120		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67534	Strand	-
Start	23666	End	27852
Name	OJ990808_43.0110.C9.o9.gs	Method	GENSCAN
Start	23666	End	27772
GI	none	Score	.62
Exons	23666..23746, 25672..25798, 25857..26167, 27561..27772		

Seq. No.	32545	Seq. ID	OJ990808_43.0110.C9
Gene No.	67534	Strand	-
Start	23666	End	27852
Name	OJ990808_43.0110.C9.o6.np	Method	AAT/NAP
Start	25763	End	27852
GI	5441885	Score	820
Exons	25763..26167, 27773..27852		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana BAC genomic sequence. (AL021889) [Oryza sativa]		

Seq. No.	32546	Seq. ID	OJ990808_43.0110.C10
Gene No.	67535	Strand	+
Start	2079	End	3998
Name	OJ990808_43.0110.C10.o2.np	Method	AAT/NAP
Start	2079	End	3998
GI	5441886	Score	1437
Exons	2079..2201, 2332..2439, 2680..2955, 3542..3588, 3650..3998		
GI Descrip.	(AP000367) EST AU069246(C53478) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32546	Seq. ID	OJ990808_43.0110.C10

Gene No.	67535	Strand	+
Start	2079	End	3998
Name	OJ990808_43.0110.C10.o1.gp	Method	AAT/GAP
Start	2849	End	2959
GI	67996_1.R1084	Score	137
Exons	2849..2959		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-160 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	32546	Seq. ID	OJ990808_43.0110.C10
Gene No.	67536	Strand	+
Start	4854	End	5134
Name	OJ990808_43.0110.C10.o3.np	Method	AAT/NAP
Start	4854	End	5134
GI	5441887	Score	377
Exons	4854..5134		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana BAC genomic sequence. (AC002332) [Oryza sativa]		

Seq. No.	32546	Seq. ID	OJ990808_43.0110.C10
Gene No.	67537	Strand	-
Start	1	End	156
Name	OJ990808_43.0110.C10.o1.np	Method	AAT/NAP
Start	1	End	156
GI	5441885	Score	232
Exons	1..156		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana BAC genomic sequence. (AL021889) [Oryza sativa]		

Seq. No.	32546	Seq. ID	OJ990808_43.0110.C10
Gene No.	67538	Strand	-
Start	3993	End	4129
Name	OJ990808_43.0110.C10.o1.tm	Method	TBLASTX:Maize
Start	3543	End	3860
GI	none	Score	164
Exons	3543..3572, 3587..3748, 3588..3749, 3758..3841, 3759..3860		

Seq. No.	32546	Seq. ID	OJ990808_43.0110.C10
Gene No.	67538	Strand	-
Start	3993	End	4129
Name	OJ990808_43.0110.C10.o1.ts	Method	TBLASTX:Soybean
Start	3810	End	4015
GI	none	Score	184
Exons	3810..3977, 3811..3987, 3829..3858, 3891..3968, 3916..4005, 3920..4015		

Seq. No.	32546	Seq. ID	OJ990808_43.0110.C10
Gene No.	67538	Strand	-
Start	3993	End	4129
Name	OJ990808_43.0110.C10.o2.gp	Method	AAT/GAP
Start	3993	End	4129
GI	3106937	Score	237
Exons	3993..4129		
GI Descrip.	5441876/dbj|AP000367.1|AP000367 6.0e-56 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)		

Seq. No.	32547	Seq. ID	OJ990808_43.0110.C11

Gene No.	67539	Strand	+
Start	1	End	3859
Name	OJ990808_43.0110.C11.o1.np	Method	AAT/NAP
Start	1	End	291
GI	5441887	Score	264
Exons	1..22, 133..291		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana BAC genomic sequence. (AC002332) [Oryza sativa]		

Seq. No.	32547	Seq. ID	OJ990808_43.0110.C11
Gene No.	67539	Strand	+
Start	1	End	3859
Name	OJ990808_43.0110.C11.o1.gs	Method	GENSCAN
Start	133	End	3859
GI	none	Score	.67
Exons	133..290, 974..1055, 1138..1204, 2509..2579, 2664..2740, 3664..3859		

Seq. No.	32548	Seq. ID	OJ990808_37.0103.C1
Gene No.	67540	Strand	+
Start	21	End	180
Name	OJ990808_37.0103.C1.o1.gs	Method	GENSCAN
Start	21	End	180
GI	none	Score	.9
Exons	21..180		

Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4
Gene No.	67541	Strand	+
Start	10593	End	12552
Name	OJ990808_37.0103.C4.o4.gs	Method	GENSCAN
Start	10593	End	11213
GI	none	Score	.89
Exons	10593..11213		

Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4
Gene No.	67541	Strand	+
Start	10593	End	12552
Name	OJ990808_37.0103.C4.o1.np	Method	AAT/NAP
Start	10626	End	12552
GI	1769907	Score	850
Exons	10626..11161, 12201..12552		
GI Descrip.	(X92975) xyloglucan endo-transglycosylase [Arabidopsis thaliana]		

Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4
Gene No.	67542	Strand	-
Start	5186	End	7350
Name	OJ990808_37.0103.C4.o2.gs	Method	GENSCAN
Start	5186	End	7350
GI	none	Score	.71
Exons	5186..5332, 5529..5750, 6097..7350		

Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4
Gene No.	67543	Strand	-
Start	7701	End	9895
Name	OJ990808_37.0103.C4.o3.gs	Method	GENSCAN
Start	7701	End	9895
GI	none	Score	.8

Exons	7701..8906, 9485..9895		
Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4
Gene No.	67544	Strand	-
Start	11490	End	12554
Name	OJ990808_37.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	5213	End	5708
GI	none	Score	230
Exons	5213..5278, 5397..5510, 5505..5702, 5505..5708, 5506..5706, 5507..5707		
Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4
Gene No.	67544	Strand	-
Start	11490	End	12554
Name	OJ990808_37.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	6434	End	6892
GI	none	Score	78
Exons	6434..6496, 6435..6500, 6436..6525, 6436..6507, 6516..6761, 6516..6884, 6517..6891, 6517..6891, 6518..6892		
Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4
Gene No.	67544	Strand	-
Start	11490	End	12554
Name	OJ990808_37.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	6489	End	6807
GI	none	Score	293
Exons	6489..6803, 6490..6804, 6493..6807		
Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4
Gene No.	67544	Strand	-
Start	11490	End	12554
Name	OJ990808_37.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	8613	End	8907
GI	none	Score	71
Exons	8613..8693, 8614..8694, 8755..8907, 8766..8906		
Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4
Gene No.	67544	Strand	-
Start	11490	End	12554
Name	OJ990808_37.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	10694	End	12552
GI	none	Score	79
Exons	10694..10768, 10695..10769, 10811..11059, 10812..11060, 11073..11162, 11075..11158, 12177..12224, 12196..12225, 12273..12401, 12277..12435, 12448..12552, 12465..12551		
Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4
Gene No.	67544	Strand	-
Start	11490	End	12554
Name	OJ990808_37.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	10695	End	12554
GI	none	Score	82
Exons	10695..10769, 10812..11060, 10814..11059, 11073..11162, 11075..11146, 12196..12225, 12273..12404, 12277..12426, 12439..12552, 12441..12554		
Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4

Gene No.	67544	Strand	-
Start	11490	End	12554
Name	OJ990808_37.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	10695	End	12554
GI	none	Score	77
Exons	10695..10769, 10812..11060, 10814..11059, 11073..11162, 11075..11146, 12196..12225, 12273..12404, 12277..12426, 12439..12552, 12441..12554		

Seq. No.	32549	Seq. ID	OJ990808_37.0103.C4
Gene No.	67544	Strand	-
Start	11490	End	12554
Name	OJ990808_37.0103.C4.o5.gs	Method	GENSCAN
Start	11490	End	12534
GI	none	Score	.51
Exons	11490..11594, 12358..12534		

Seq. No.	32550	Seq. ID	OJ990808_37.0103.C5
Gene No.	67545	Strand	+
Start	573	End	850
Name	OJ990808_37.0103.C5.o1.gp	Method	AAT/GAP
Start	573	End	850
GI	5803398	Score	264
Exons	573..648, 773..850		

Seq. No.	32550	Seq. ID	OJ990808_37.0103.C5
Gene No.	67546	Strand	+
Start	773	End	850
Name	OJ990808_37.0103.C5.o2.gp	Method	AAT/GAP
Start	773	End	850
GI	5803398	Score	121
Exons	773..850		

Seq. No.	32550	Seq. ID	OJ990808_37.0103.C5
Gene No.	67547	Strand	+
Start	2182	End	2692
Name	OJ990808_37.0103.C5.o5.gp	Method	AAT/GAP
Start	2182	End	2692
GI	986_1.R1084	Score	415
Exons	2182..2279, 2511..2692		
GI Descrip.	'571443/gb|U16257|OSU16257 1.0e-105 Oryza sativa clone SR3 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67548	Strand	-
Start	1	End	2648
Name	OJ990808_37.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	2566
GI	6630734	Score	656
Exons	1..62, 252..316, 1748..1977, 2070..2566		
GI Descrip.	(AL132958) caffeic acid O-methyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67548	Strand	-
Start	1	End	2648
Name	OJ990808_37.0103.C6.o1.gs	Method	GENSCAN

Start	252	End	2518
GI	none	Score	.68
Exons	252..316, 1748..1977, 2070..2518		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67548	Strand	-
Start	1	End	2648
Name	OJ990808_37.0103.C6.o1.gp	Method	AAT/GAP
Start	2279	End	2648
GI	none	Score	733
Exons	2279..2648		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	252	End	2222
GI	none	Score	79
Exons	252..314, 253..315, 1749..1901, 1750..1845, 1902..1976, 2075..2104, 2135..2221, 2139..2222		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	1755	End	2174
GI	none	Score	129
Exons	1755..1895, 1758..1895, 1890..1979, 1924..1986, 2069..2173, 2073..2174		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o2.gs	Method	GENSCAN
Start	3378	End	10042
GI	none	Score	.57
Exons	3378..3502, 4183..4235, 4959..5002, 5351..5467, 5928..6117, 6217..6816, 8977..9101, 9182..10042		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	4678	End	4985
GI	none	Score	115
Exons	4678..4803, 4683..4802, 4899..4985, 4900..4983		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	4680	End	5469
GI	none	Score	123
Exons	4680..4802, 4693..4803, 4899..5003, 4900..4974, 5300..5464, 5300..5467, 5341..5469		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6

Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o2.np	Method	AAT/NAP
Start	4680	End	9495
GI	3033388	Score	158
Exons	4680..4800, 4900..4961, 5339..5439, 9411..9495		
GI Descrip.	(AC004238) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o3.tm	Method	TBLASTX:Maize
Start	4747	End	5470
GI	none	Score	102
Exons	4747..4803, 4749..4802, 4750..4803, 4899..5003, 4900..5004, 5298..5468, 5300..5467, 5300..5470, 5301..5468, 5302..5469		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o3.ts	Method	TBLASTX:Soybean
Start	5300	End	5461
GI	none	Score	126
Exons	5300..5461, 5315..5461		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	5821	End	6239
GI	none	Score	60
Exons	5821..5859, 5824..5862, 5859..6119, 5860..6132, 5935..6120, 6216..6239		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o4.ts	Method	TBLASTX:Soybean
Start	5994	End	6290
GI	none	Score	95
Exons	5994..6116, 5999..6121, 6029..6118, 6219..6290		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o2.gp	Method	AAT/GAP
Start	6338	End	6738
GI	none	Score	682
Exons	6338..6738		

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o4.np	Method	AAT/NAP
Start	6538	End	9959
GI	4510421	Score	142
Exons	6538..6624, 8977..9106, 9193..9959		

GI Descrip. (AC006929) unknown protein [Arabidopsis thaliana]

Seq. No.	32551	Seq. ID	OJ990808_37.0103.C6
Gene No.	67549	Strand	-
Start	3378	End	10215
Name	OJ990808_37.0103.C6.o3.gp	Method	AAT/GAP
Start	9937	End	10215
GI	none	Score	517
Exons	9937..10215		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67550	Strand	+
Start	12103	End	12357
Name	OJ990808_37.0103.C7.o4.gs	Method	GENSCAN
Start	12103	End	12357
GI	none	Score	.59
Exons	12103..12357		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67551	Strand	-
Start	3572	End	10693
Name	OJ990808_37.0103.C7.o1.np	Method	AAT/NAP
Start	3572	End	5200
GI	6646758	Score	389
Exons	3572..3681, 3817..3885, 3955..4130, 4303..4384, 4573..4664, 4976..5200		
GI Descrip.	(AC013258) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67551	Strand	-
Start	3572	End	10693
Name	OJ990808_37.0103.C7.o1.gp	Method	AAT/GAP
Start	3957	End	7112
GI	24043_1.R1084	Score	1148
Exons	3957..4017, 4303..4418, 4517..4664, 4976..5195, 7024..7112		
GI Descrip.	'5381221/dbj|AB029489.1|AB029489 3.0e-40 Oryza sativa rwc3 gene for water channel protein, 3''-terminal genomic region'		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67551	Strand	-
Start	3572	End	10693
Name	OJ990808_37.0103.C7.o3.gs	Method	GENSCAN
Start	6693	End	10693
GI	none	Score	.64
Exons	6693..6800, 7024..7152, 7629..7823, 9923..10693		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67551	Strand	-
Start	3572	End	10693
Name	OJ990808_37.0103.C7.o2.gp	Method	AAT/GAP
Start	9297	End	9714
GI	LIB3433-047-P1-K1-G11	Score	771
Exons	9297..9714		
GI Descrip.	'3395673/dbj|BAA32081| 2.0e-15 (AB016623) RWC-3 [Oryza sativa]'		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67551	Strand	-

Start	3572	End	10693
Name	OJ990808_37.0103.C7.o2.np	Method	AAT/NAP
Start	9597	End	10693
GI	5263202	Score	1409
Exons	9597..9689, 9923..10693		
GI Descrip.	(AB029325) water channel protein RWC3 [Oryza sativa]		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67552	Strand	-
Start	13463	End	19549
Name	OJ990808_37.0103.C7.o3.np	Method	AAT/NAP
Start	13227	End	19549
GI	6456163	Score	1524
Exons	13227..13270, 13684..13773, 14184..14254, 14492..14634, 14719..14811, 14902..14955, 15042..15198, 15346..15380, 16022..16204, 16287..16441, 16586..16702, 17286..17397, 17489..17647, 18514..18608, 19498..19549		
GI Descrip.	(AC011622) unknown protein [Arabidopsis thaliana]		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67552	Strand	-
Start	13463	End	19549
Name	OJ990808_37.0103.C7.o5.gs	Method	GENSCAN
Start	13463	End	19203
GI	none	Score	.7
Exons	13463..13599, 13690..13773, 14184..14254, 14492..14634, 14902..14955, 15042..15198, 15346..15380, 16022..16204, 16287..16438, 16586..16702, 17286..17397, 17489..17647, 18261..18342, 18384..18795, 18822..18937, 18960..19095, 19128..19203		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67552	Strand	-
Start	13463	End	19549
Name	OJ990808_37.0103.C7.o3.gp	Method	AAT/GAP
Start	14483	End	14811
GI	LIB3434-017-P1-K1-D12	Score	386
Exons	14483..14634, 14719..14811		
GI Descrip.	'3763916 2.0e-22 (AC004450) unknown protein [Arabidopsis thaliana] >gi_4531439_gb_AAD22124.1_AC006224_6 (AC006224) unknown protein [Arabidopsis thaliana]'		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	3612	End	4018
GI	none	Score	81
Exons	3612..3683, 3615..3680, 3817..3900, 3821..3886, 3821..3964, 3947..4018, 3949..4017		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o4.ts	Method	TBLASTX:Soybean
Start	3619	End	5114
GI	none	Score	50

Exons	3619..3675, 3817..3900, 3821..3874, 3943..4017, 3953..4015, 4527..4664, 4600..4665, 4973..5113, 4974..5114		
Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o5.tm	Method	TBLASTX:Maize
Start	4527	End	5111
GI	none	Score	82
Exons	4527..4664, 4597..4668, 4600..4665, 4973..5110, 4974..5111		
Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o5.tc	Method	TBLASTX:Cress
Start	4973	End	5114
GI	none	Score	130
Exons	4973..5050, 4974..5054, 4974..5051, 5051..5113, 5052..5114		
Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	9573	End	10745
GI	none	Score	90
Exons	9573..9689, 9604..9687, 9923..10555, 9924..10553, 10604..10720, 10620..10745		
Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	9594	End	10714
GI	none	Score	110
Exons	9594..9689, 9604..9687, 9604..9690, 9923..10555, 9924..10709, 10592..10714		
Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	9603	End	20870
GI	none	Score	321
Exons	9603..9671, 9669..9692, 9926..10465, 9927..10205, 10227..10436, 10346..10444, 10466..10555, 10467..10547, 20648..20713, 20781..20870		
Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	9969	End	10694
GI	none	Score	676
Exons	9969..10553, 9971..10693, 10617..10694		
Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-

Start	19899	End	22109
Name	OJ990808_37.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	13484	End	16440
GI	none	Score	117
Exons	13484..13606, 13497..13607, 13686..13778, 13688..13774, 14182..14256, 14183..14278, 14489..14635, 14491..14649, 14492..14692, 14704..14814, 14717..14812, 14719..14814, 14843..14977, 14881..14955, 14901..14960, 15034..15201, 15042..15200, 15043..15207, 15300..15386, 16022..16204, 16023..16205, 16126..16206, 16268..16429, 16285..16440, 16287..16439		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o3.ts	Method	TBLASTX:Soybean
Start	13514	End	13781
GI	none	Score	83
Exons	13514..13606, 13524..13607, 13686..13778, 13688..13777, 13695..13781		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o2.tc	Method	TBLASTX:Cress
Start	13686	End	16372
GI	none	Score	94
Exons	13686..13775, 13688..13801, 13688..13786, 13689..13787, 14182..14256, 14183..14260, 14489..14593, 14491..14649, 14492..14692, 14704..14814, 14706..14825, 14717..14812, 14854..14970, 15034..15201, 15042..15200, 15043..15210, 15342..15386, 16022..16168, 16023..16169, 16285..16371, 16286..16372, 16287..16370		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o6.ts	Method	TBLASTX:Soybean
Start	14182	End	15099
GI	none	Score	66
Exons	14182..14256, 14183..14257, 14491..14649, 14492..14650, 14700..14813, 14704..14814, 14704..14814, 14854..14970, 15042..15098, 15046..15099		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o2.ts	Method	TBLASTX:Soybean
Start	15100	End	16449
GI	none	Score	125
Exons	15100..15204, 15100..15231, 15102..15242, 15356..15403, 16005..16184, 16022..16177, 16022..16204, 16023..16208, 16285..16449, 16287..16448		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109

Name	OJ990808_37.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	16569	End	18576
GI	none	Score	125
Exons	16569..16697, 16588..16704, 16590..16703, 17288..17398, 17288..17398, 17289..17399, 17361..17399, 17493..17648, 17498..17647, 17508..17648, 17581..17649, 18508..18576, 18527..18568		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o7.ts	Method	TBLASTX:Soybean
Start	16590	End	18576
GI	none	Score	86
Exons	16590..16697, 16596..16703, 16597..16704, 16621..16704, 17350..17397, 17469..17648, 17486..17647, 17508..17657, 17590..17670, 18508..18576		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o6.gs	Method	GENSCAN
Start	19899	End	21827
GI	none	Score	1
Exons	19899..21389, 21687..21827		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o3.tc	Method	TBLASTX:Cress
Start	19920	End	20150
GI	none	Score	104
Exons	19920..20150, 19987..20139		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o4.np	Method	AAT/NAP
Start	19944	End	22109
GI	3386604	Score	769
Exons	19944..21389, 21687..21799, 22062..22109		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o5.ts	Method	TBLASTX:Soybean
Start	19959	End	20753
GI	none	Score	106
Exons	19959..20150, 19990..20148, 20304..20378, 20391..20546, 20580..20612, 20634..20753		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o4.tm	Method	TBLASTX:Maize
Start	20100	End	20900

GI	none	Score	63
Exons	20100..20150, 20298..20384, 20406..20537, 20407..20532, 20634..20753, 20635..20748, 20772..20900, 20785..20892		

Seq. No.	32552	Seq. ID	OJ990808_37.0103.C7
Gene No.	67553	Strand	-
Start	19899	End	22109
Name	OJ990808_37.0103.C7.o4.tc	Method	TBLASTX:Cress
Start	20433	End	20999
GI	none	Score	67
Exons	20433..20543, 20440..20541, 20628..20753, 20826..20999		

Seq. No.	32553	Seq. ID	OJ990808_37.0103.C8
Gene No.	67554	Strand	+
Start	2766	End	7009
Name	OJ990808_37.0103.C8.o2.gs	Method	GENSCAN
Start	2766	End	7009
GI	none	Score	.61
Exons	2766..2870, 2946..3040, 3326..3605, 3818..3879, 5646..5719, 6114..6239, 6329..6573, 6779..7009		

Seq. No.	32553	Seq. ID	OJ990808_37.0103.C8
Gene No.	67555	Strand	-
Start	71	End	3060
Name	OJ990808_37.0103.C8.o1.gs	Method	GENSCAN
Start	71	End	1677
GI	none	Score	.75
Exons	71..344, 1264..1423, 1668..1677		

Seq. No.	32553	Seq. ID	OJ990808_37.0103.C8
Gene No.	67555	Strand	-
Start	71	End	3060
Name	OJ990808_37.0103.C8.o1.np	Method	AAT/NAP
Start	245	End	3060
GI	3386604	Score	136
Exons	245..330, 1256..1385, 1563..1684, 2777..3060		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	32554	Seq. ID	OJ990808_37.0103.C9
Gene No.	67556	Strand	+
Start	149	End	663
Name	OJ990808_37.0103.C9.o1.gs	Method	GENSCAN
Start	149	End	451
GI	none	Score	.56
Exons	149..371, 390..451		

Seq. No.	32554	Seq. ID	OJ990808_37.0103.C9
Gene No.	67556	Strand	+
Start	149	End	663
Name	OJ990808_37.0103.C9.o1.gp	Method	AAT/GAP
Start	188	End	663
GI	72459_1.R1084	Score	192
Exons	188..263, 390..451, 643..663		
GI Descrip.	'3892056/gb|AAC78269.1|AAC78269 6.0e-41 (AC002330) putative vacuolar ATPase [Arabidopsis thaliana]'		

Seq. No.	32554	Seq. ID	OJ990808_37.0103.C9

Gene No.	67556	Strand	+
Start	149	End	663
Name	OJ990808_37.0103.C9.o1.np	Method	AAT/NAP
Start	206	End	478
GI	3386608	Score	95
Exons	206..263, 390..478		
GI Descrip.	(AC004665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32555	Seq. ID	OJ990808_37.0103.C10
Gene No.	67557	Strand	+
Start	1021	End	1270
Name	OJ990808_37.0103.C10.o1.gs	Method	GENSCAN
Start	1021	End	1270
GI	none	Score	.61
Exons	1021..1270		

Seq. No.	32556	Seq. ID	OJ990808_37.0103.C11
Gene No.	67558	Strand	+
Start	138	End	591
Name	OJ990808_37.0103.C11.o1.gs	Method	GENSCAN
Start	138	End	591
GI	none	Score	.75
Exons	138..409, 510..591		

Seq. No.	32556	Seq. ID	OJ990808_37.0103.C11
Gene No.	67559	Strand	-
Start	690	End	4212
Name	OJ990808_37.0103.C11.o1.gp	Method	AAT/GAP
Start	690	End	1927
GI	none	Score	950
Exons	690..1119, 1851..1927		

Seq. No.	32556	Seq. ID	OJ990808_37.0103.C11
Gene No.	67559	Strand	-
Start	690	End	4212
Name	OJ990808_37.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	887	End	4210
GI	none	Score	54
Exons	887..925, 891..926, 901..1044, 917..1042, 930..1049, 936..1061, 1053..1085, 1081..1104, 1848..2030, 1849..2046, 1850..2035, 2144..2212, 2145..2207, 2151..2228, 2281..2364, 2282..2491, 2283..2498, 2285..2497, 2286..2501, 2425..2502, 2497..2610, 2499..2612, 2553..2612, 2807..2917, 2818..2919, 3349..3438, 3350..3439, 3351..3449, 3352..3450, 3511..3639, 3524..3637, 3524..3649, 4097..4162, 4099..4161, 4099..4164, 4101..4166, 4157..4210, 4165..4209		

Seq. No.	32556	Seq. ID	OJ990808_37.0103.C11
Gene No.	67559	Strand	-
Start	690	End	4212
Name	OJ990808_37.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	2490	End	4212
GI	none	Score	94
Exons	2490..2612, 2818..2919, 2831..2917, 3351..3449, 3352..3450, 3513..3638, 3523..3639, 3524..3640, 3524..3640, 4097..4162, 4101..4166, 4163..4210, 4165..4212		

Seq. No.	32556	Seq. ID	OJ990808_37.0103.C11
Gene No.	67559	Strand	-
Start	690	End	4212
Name	OJ990808_37.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	2816	End	3640
GI	none	Score	100
Exons	2816..2917, 2818..2919, 3351..3449, 3352..3450, 3512..3640, 3523..3639		

Seq. No.	32557	Seq. ID	OJ990808_37.0103.C12
Gene No.	67560	Strand	+
Start	1	End	156
Name	OJ990808_37.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	156
GI	2498930	Score	44
Exons	1..37, 91..156		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	32557	Seq. ID	OJ990808_37.0103.C12
Gene No.	67561	Strand	+
Start	97	End	156
Name	OJ990808_37.0103.C12.o1.gs	Method	GENSCAN
Start	97	End	156
GI	none	Score	.98
Exons	97..156		

Seq. No.	32558	Seq. ID	OJ990808_37.0103.C13
Gene No.	67562	Strand	+
Start	688	End	755
Name	OJ990808_37.0103.C13.o1.gs	Method	GENSCAN
Start	688	End	755
GI	none	Score	.52
Exons	688..755		

Seq. No.	32559	Seq. ID	OJ990808_37.0103.C14
Gene No.	67563	Strand	-
Start	4759	End	5633
Name	OJ990808_37.0103.C14.o2.gs	Method	GENSCAN
Start	4759	End	5633
GI	none	Score	.54
Exons	4759..4766, 5384..5423, 5577..5633		

Seq. No.	32560	Seq. ID	OJ990808_37.0103.C15
Gene No.	67564	Strand	-
Start	1034	End	3500
Name	OJ990808_37.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	856	End	3153
GI	none	Score	63
Exons	856..1170, 859..1383, 865..1686, 865..1482, 913..1284, 925..1542, 970..1143, 1019..1174, 1021..1269, 1054..1203, 1075..1206, 1147..2016, 1153..1233, 1226..1372, 1237..2091, 1684..2223, 1685..2017, 1753..1851, 1810..1983, 1972..2736, 1996..2589, 2053..2439, 2056..2205, 2176..2970, 2215..3036, 2278..2409, 2282..2422, 2302..2757, 2395..2529, 2617..3141, 2650..2829, 2708..2884, 2722..3153, 2806..3141, 2815..3003, 2824..3153, 2917..3033, 2945..3133		

Seq. No.	32560	Seq. ID	OJ990808_37.0103.C15
Gene No.	67564	Strand	-
Start	1034	End	3500
Name	OJ990808_37.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	865	End	3156
GI	none	Score	66
Exons	865..1401, 931..1206, 1021..1485, 1024..1734, 1075..1452, 1117..1836, 1342..2010, 1657..2316, 1861..2562, 2062..2640, 2269..2946, 2377..3000, 2482..3060, 2588..3034, 2602..3156		

Seq. No.	32560	Seq. ID	OJ990808_37.0103.C15
Gene No.	67564	Strand	-
Start	1034	End	3500
Name	OJ990808_37.0103.C15.o1.tc	Method	TBLASTX:Cress
Start	913	End	3303
GI	none	Score	70
Exons	913..1272, 956..1210, 1006..1203, 1018..1389, 1019..1381, 1021..1137, 1087..1308, 1123..1482, 1231..1419, 1231..1587, 1315..1689, 1333..1518, 1408..1644, 1418..1591, 1429..1797, 1627..1845, 1630..2046, 1691..2020, 1732..1938, 1744..2097, 1852..2067, 1867..2013, 1939..2169, 2059..2280, 2059..2436, 2083..2427, 2135..2260, 2137..2364, 2176..2532, 2177..2527, 2275..2649, 2276..2422, 2377..2574, 2383..2736, 2464..2655, 2476..2736, 2497..2838, 2578..2655, 2594..2893, 2602..2961, 2707..3048, 2708..3046, 2801..3151, 2806..3153, 2992..3153, 3013..3153, 3202..3303		

Seq. No.	32560	Seq. ID	OJ990808_37.0103.C15
Gene No.	67564	Strand	-
Start	1034	End	3500
Name	OJ990808_37.0103.C15.o2.np	Method	AAT/NAP
Start	1034	End	3500
GI	188864	Score	99
Exons	1034..1064, 3233..3500		
GI Descrip.	(M74027) mucin [Homo sapiens]		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67565	Strand	+
Start	5966	End	7579
Name	OJ990808_37.0103.C16.o1.np	Method	AAT/NAP
Start	5966	End	7579
GI	4204278	Score	669
Exons	5966..7579		
GI Descrip.	(AC004146) putative Cytochrome P450 protein [Arabidopsis thaliana]		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67565	Strand	+
Start	5966	End	7579
Name	OJ990808_37.0103.C16.o1.gs	Method	GENSCAN
Start	5984	End	7579
GI	none	Score	.99
Exons	5984..7579		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67566	Strand	+

Start	11916	End	12424
Name	OJ990808_37.0103.C16.o1.gp	Method	AAT/GAP
Start	11916	End	12424
GI	none	Score	990
Exons	11916..12424		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67567	Strand	-
Start	9972	End	11235
Name	OJ990808_37.0103.C16.o2.gs	Method	GENSCAN
Start	9972	End	11235
GI	none	Score	.9
Exons	9972..10100, 10312..10332, 11152..11235		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67568	Strand	-
Start	12233	End	17569
Name	OJ990808_37.0103.C16.o2.tc	Method	TBLASTX:Cress
Start	6062	End	6631
GI	none	Score	58
Exons	6062..6145, 6200..6310, 6247..6312, 6397..6531, 6398..6532, 6587..6631		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67568	Strand	-
Start	12233	End	17569
Name	OJ990808_37.0103.C16.o1.ts	Method	TBLASTX:Soybean
Start	6200	End	7573
GI	none	Score	68
Exons	6200..6310, 6389..6571, 6932..7096, 7100..7171, 7235..7342, 7349..7573		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67568	Strand	-
Start	12233	End	17569
Name	OJ990808_37.0103.C16.o1.tm	Method	TBLASTX:Maize
Start	6215	End	7564
GI	none	Score	48
Exons	6215..6310, 6389..6532, 6932..7213, 7238..7342, 7349..7564		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67568	Strand	-
Start	12233	End	17569
Name	OJ990808_37.0103.C16.o1.tc	Method	TBLASTX:Cress
Start	7241	End	7573
GI	none	Score	130
Exons	7241..7342, 7385..7573		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67568	Strand	-
Start	12233	End	17569
Name	OJ990808_37.0103.C16.o3.gs	Method	GENSCAN
Start	12233	End	15752
GI	none	Score	.45
Exons	12233..12460, 12707..12868, 13310..13441, 14116..14183, 14788..14905, 14919..15151, 15223..15398, 15433..15752		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67568	Strand	-
Start	12233	End	17569
Name	OJ990808_37.0103.C16.o2.np	Method	AAT/NAP
Start	12275	End	15383
GI	2213534	Score	409
Exons	12275..12460, 12707..12868, 13310..13441, 14116..14183, 14788..14874, 14944..15197, 15288..15383		
GI Descrip.	(X98739) DNA-binding PD1-like protein [Pisum sativum]		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67568	Strand	-
Start	12233	End	17569
Name	OJ990808_37.0103.C16.o3.tm	Method	TBLASTX:Maize
Start	12393	End	12880
GI	none	Score	92
Exons	12393..12461, 12404..12460, 12698..12871, 12698..12880		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67568	Strand	-
Start	12233	End	17569
Name	OJ990808_37.0103.C16.o2.tm	Method	TBLASTX:Maize
Start	13325	End	15655
GI	none	Score	168
Exons	13325..13450, 13326..13454, 13326..13457, 13456..13521, 14111..14191, 14114..14191, 14116..14193, 14116..14196, 14789..14881, 14790..14849, 14794..14886, 14795..14887, 14876..14950, 14884..14958, 14970..14993, 14971..15033, 15036..15077, 15137..15388, 15138..15386, 15220..15396, 15309..15395, 15518..15562, 15521..15550, 15617..15655, 15632..15655		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67568	Strand	-
Start	12233	End	17569
Name	OJ990808_37.0103.C16.o3.np	Method	AAT/NAP
Start	14009	End	17569
GI	4680179	Score	182
Exons	14009..14105, 16438..16848, 17533..17569		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32561	Seq. ID	OJ990808_37.0103.C16
Gene No.	67568	Strand	-
Start	12233	End	17569
Name	OJ990808_37.0103.C16.o1.tw	Method	TBLASTX:Wheat
Start	16516	End	16830
GI	none	Score	58
Exons	16516..16593, 16600..16653, 16690..16830, 16722..16808		

Seq. No.	32562	Seq. ID	OJ990808_37.0103.C17
Gene No.	67569	Strand	+
Start	268	End	600
Name	OJ990808_37.0103.C17.o1.gp	Method	AAT/GAP
Start	268	End	600
GI	72459_1.R1084	Score	561
Exons	268..600		
GI Descrip.	'3892056/gb|AAC78269.1|AAC78269 6.0e-41 (AC002330) putative		

vacuolar ATPase [Arabidopsis thaliana]'

Seq. No.	32562	Seq. ID	OJ990808_37.0103.C17
Gene No.	67570	Strand	-
Start	472	End	587
Name	OJ990808_37.0103.C17.o1.gs	Method	GENSCAN
Start	472	End	587
GI	none	Score	.78
Exons	472..587		

Seq. No.	32563	Seq. ID	OJ990808_37.0103.C18
Gene No.	67571	Strand	+
Start	134	End	270
Name	OJ990808_37.0103.C18.o1.gp	Method	AAT/GAP
Start	134	End	270
GI	13884_1.R1084	Score	229
Exons	134..270		
GI Descrip.	'133028/sp|P25864|RK9_ARATH 8.0e-52 50S RIBOSOMAL PROTEIN L9, CHLOROPLAST PRECURSOR (CL9) >gi_71257_pir__R5MUL9 ribosomal protein L9 precursor, chloroplast - Arabidopsis thaliana >gi_16499_emb_CAA77480_ (Z11129) plastid ribosomal protein CL9 [Arabidopsis thaliana] >gi_16501_emb_CAA77594_ (Z11509) Chloroplast ribosomal protein CL9 [Arabidopsis thaliana]'		

Seq. No.	32563	Seq. ID	OJ990808_37.0103.C18
Gene No.	67572	Strand	-
Start	1	End	1079
Name	OJ990808_37.0103.C18.o1.np	Method	AAT/NAP
Start	1	End	1079
GI	1173069	Score	120
Exons	1..22, 64..266, 933..1079		
GI Descrip.	50S RIBOSOMAL PROTEIN L9, CHLOROPLAST PRECURSOR (CL13) gi|20881|emb|CAA32184| (X14019) CL9 ribosomal preprotein (AA -34 to 160) [Pisum sativum]		

Seq. No.	32563	Seq. ID	OJ990808_37.0103.C18
Gene No.	67572	Strand	-
Start	1	End	1079
Name	OJ990808_37.0103.C18.o1.tm	Method	TBLASTX:Maize
Start	121	End	978
GI	none	Score	183
Exons	121..270, 138..275, 916..978, 924..974		

Seq. No.	32563	Seq. ID	OJ990808_37.0103.C18
Gene No.	67572	Strand	-
Start	1	End	1079
Name	OJ990808_37.0103.C18.o1.gs	Method	GENSCAN
Start	135	End	1055
GI	none	Score	.7
Exons	135..266, 673..729, 933..1055		

Seq. No.	32564	Seq. ID	OJ990808_31.0103.C1
Gene No.	67573	Strand	-
Start	1	End	627
Name	OJ990808_31.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	627
GI	6705984	Score	118

Exons	1..78, 337..627		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	32565	Seq. ID	OJ990808_31.0103.C2
Gene No.	67574	Strand	+
Start	1	End	198
Name	OJ990808_31.0103.C2.o1.gp	Method	AAT/GAP
Start	1	End	198
GI	LIB3432-026-P1-K1-H4	Score	392
Exons	1..198		
GI Descrip.	'462049/sp|P33207|FABG_ARATH 2.0e-22 3-OXOACYL-[ACYL-CARRIER PROTEIN] REDUCTASE PRECURSOR (3-KETOACYL-ACYL CARRIER PROTEIN REDUCTASE) >gi_99753_pir__S22416 3-oxoacyl-[acyl-carrier-protein] reductase (EC 1.1.1.100) precursor - Arabidopsis thaliana >gi_16205_emb_CAA45794_ (X64464) 3-oxoacyl-[acyl-carrier protein] reductase [Arabidopsis thaliana]'		

Seq. No.	32565	Seq. ID	OJ990808_31.0103.C2
Gene No.	67575	Strand	+
Start	810	End	1014
Name	OJ990808_31.0103.C2.o1.gs	Method	GENSCAN
Start	810	End	1014
GI	none	Score	.67
Exons	810..1014		

Seq. No.	32566	Seq. ID	OJ990808_31.0103.C3
Gene No.	67576	Strand	+
Start	5984	End	9594
Name	OJ990808_31.0103.C3.o1.gp	Method	AAT/GAP
Start	5897	End	9422
GI	none	Score	864
Exons	5897..6089, 6184..6297, 7754..7858, 9326..9422		

Seq. No.	32566	Seq. ID	OJ990808_31.0103.C3
Gene No.	67576	Strand	+
Start	5984	End	9594
Name	OJ990808_31.0103.C3.o2.gs	Method	GENSCAN
Start	5984	End	9594
GI	none	Score	.92
Exons	5984..6089, 6184..6297, 7754..7819, 9326..9594		

Seq. No.	32566	Seq. ID	OJ990808_31.0103.C3
Gene No.	67576	Strand	+
Start	5984	End	9594
Name	OJ990808_31.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	9333	End	9591
GI	none	Score	82
Exons	9333..9401, 9333..9362, 9334..9444, 9334..9411, 9424..9591, 9425..9586, 9426..9590		

Seq. No.	32567	Seq. ID	OJ990808_31.0103.C4
Gene No.	67577	Strand	+
Start	421	End	7933
Name	OJ990808_31.0103.C4.o1.gp	Method	AAT/GAP
Start	421	End	2196
GI	549_1.R1084	Score	1043

Exons	421..482, 579..714, 806..962, 1967..2196		
GI Descrip.	'3355468 2.0e-42 (AC004218) putative ribosomal protein L35 [Arabidopsis thaliana]'		

Seq. No.	32567	Seq. ID	OJ990808_31.0103.C4
Gene No.	67577	Strand	+
Start	421	End	7933
Name	OJ990808_31.0103.C4.o1.gs	Method	GENSCAN
Start	479	End	7933
GI	none	Score	.77
Exons	479..482, 579..714, 806..962, 1967..2022, 4355..4904, 5388..5635, 5733..5946, 6380..6583, 6678..6870, 6962..7164, 7202..7249, 7670..7933		

Seq. No.	32567	Seq. ID	OJ990808_31.0103.C4
Gene No.	67577	Strand	+
Start	421	End	7933
Name	OJ990808_31.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	529	End	2154
GI	none	Score	198
Exons	529..714, 578..715, 791..964, 807..965, 1945..2046, 1964..2065, 2057..2080, 2110..2154, 2113..2154		

Seq. No.	32567	Seq. ID	OJ990808_31.0103.C4
Gene No.	67577	Strand	+
Start	421	End	7933
Name	OJ990808_31.0103.C4.o1.np	Method	AAT/NAP
Start	575	End	2038
GI	3355468	Score	447
Exons	575..714, 806..962, 1967..2038		
GI Descrip.	(AC004218) 60S ribosomal protein L35 [Arabidopsis thaliana]		

Seq. No.	32567	Seq. ID	OJ990808_31.0103.C4
Gene No.	67577	Strand	+
Start	421	End	7933
Name	OJ990808_31.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	577	End	2049
GI	none	Score	183
Exons	577..714, 578..715, 791..964, 807..965, 1945..2049, 1964..2044		

Seq. No.	32567	Seq. ID	OJ990808_31.0103.C4
Gene No.	67577	Strand	+
Start	421	End	7933
Name	OJ990808_31.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	577	End	2032
GI	none	Score	213
Exons	577..714, 578..715, 791..913, 807..899, 888..965, 890..964, 1945..2028, 1964..2032		

Seq. No.	32567	Seq. ID	OJ990808_31.0103.C4
Gene No.	67577	Strand	+
Start	421	End	7933
Name	OJ990808_31.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	578	End	2041
GI	none	Score	181
Exons	578..715, 679..714, 791..958, 807..962, 1945..2034, 1964..2041		

Seq. No.	32567	Seq. ID	OJ990808_31.0103.C4
Gene No.	67577	Strand	+
Start	421	End	7933
Name	OJ990808_31.0103.C4.o2.np	Method	AAT/NAP
Start	2667	End	3975
GI	5777617	Score	90
Exons	2667..2689, 3845..3975		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	32567	Seq. ID	OJ990808_31.0103.C4
Gene No.	67577	Strand	+
Start	421	End	7933
Name	OJ990808_31.0103.C4.o3.np	Method	AAT/NAP
Start	5250	End	7220
GI	3891936	Score	61
Exons	5250..5323, 7013..7220		
GI Descrip.	Human Ubiquitous Kinesin Motor Domain		

Seq. No.	32567	Seq. ID	OJ990808_31.0103.C4
Gene No.	67577	Strand	+
Start	421	End	7933
Name	OJ990808_31.0103.C4.o2.gp	Method	AAT/GAP
Start	5455	End	5794
GI	426498	Score	413
Exons	5455..5635, 5734..5794		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67578	Strand	+
Start	16689	End	20334
Name	OJ990808_31.0103.C6.o2.np	Method	AAT/NAP
Start	16689	End	20334
GI	6705984	Score	230
Exons	16689..17364, 20298..20334		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67579	Strand	-
Start	1	End	14977
Name	OJ990808_31.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	13475
GI	5922631	Score	3085
Exons	1..62, 4198..5065, 7149..8076, 8203..8362, 8405..8977, 9005..9197, 9459..9718, 13351..13475		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67579	Strand	-
Start	1	End	14977
Name	OJ990808_31.0103.C6.o2.gs	Method	GENSCAN
Start	7141	End	14977
GI	none	Score	.75

Exons	7141..7754, 7765..7990, 8046..8161, 8203..8644, 8704..9022, 9098..9228, 9273..9372, 9434..9682, 10569..10586, 10961..11021, 12666..12853, 13195..13485, 13518..13575, 14106..14192, 14245..14446, 14936..14977		
Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67579	Strand	-
Start	1	End	14977
Name	OJ990808_31.0103.C6.o1.gp	Method	AAT/GAP
Start	10298	End	10465
GI	none	Score	190
Exons	10298..10395, 10426..10465		
Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67580	Strand	-
Start	15780	End	18005
Name	OJ990808_31.0103.C6.o3.gs	Method	GENSCAN
Start	15780	End	18005
GI	none	Score	.57
Exons	15780..15886, 16266..16500, 16537..16762, 17194..17340, 17412..17593, 17925..18005		
Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67580	Strand	-
Start	15780	End	18005
Name	OJ990808_31.0103.C6.o3.np	Method	AAT/NAP
Start	16033	End	17714
GI	6539588	Score	248
Exons	16033..16059, 17381..17714		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o6.tw	Method	TBLASTX:Wheat
Start	4303	End	4493
GI	none	Score	79
Exons	4303..4422, 4413..4493		
Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	4638	End	5036
GI	none	Score	61
Exons	4638..5036, 4845..4988, 4846..4989		
Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	4660	End	5084
GI	none	Score	221
Exons	4660..5079, 4665..5084		
Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-

Start	19616	End	20334
Name	OJ990808_31.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	4758	End	5141
GI	none	Score	166
Exons	4758..5141, 4777..5133		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o3.tm	Method	TBLASTX:Maize
Start	5169	End	5453
GI	none	Score	122
Exons	5169..5252, 5255..5452, 5256..5453		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o3.tw	Method	TBLASTX:Wheat
Start	5255	End	5486
GI	none	Score	103
Exons	5255..5452, 5258..5455, 5277..5486		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o2.tw	Method	TBLASTX:Wheat
Start	6948	End	7808
GI	none	Score	102
Exons	6948..7013, 7052..7216, 7057..7218, 7352..7588, 7354..7590, 7636..7755, 7648..7746, 7758..7808		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o5.tw	Method	TBLASTX:Wheat
Start	8393	End	8794
GI	none	Score	60
Exons	8393..8671, 8686..8793, 8690..8794		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	19604	End	20269
GI	none	Score	73
Exons	19604..19864, 19883..20269, 19926..20081		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o4.np	Method	AAT/NAP
Start	19616	End	20334
GI	6630685	Score	736
Exons	19616..20334		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	19634	End	19999
GI	none	Score	88
Exons	19634..19879, 19868..19999		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	19634	End	20270
GI	none	Score	42
Exons	19634..20269, 19644..19703, 19649..19981, 19785..20270		

Seq. No.	32568	Seq. ID	OJ990808_31.0103.C6
Gene No.	67581	Strand	-
Start	19616	End	20334
Name	OJ990808_31.0103.C6.o4.tw	Method	TBLASTX:Wheat
Start	19679	End	20134
GI	none	Score	85
Exons	19679..19855, 19679..19855, 19874..20134		

Seq. No.	32569	Seq. ID	OJ990808_31.0103.C7
Gene No.	67582	Strand	-
Start	1	End	1095
Name	OJ990808_31.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	1095
GI	3777527	Score	647
Exons	1..592, 751..1095		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	32569	Seq. ID	OJ990808_31.0103.C7
Gene No.	67582	Strand	-
Start	1	End	1095
Name	OJ990808_31.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	1	End	460
GI	5509260	Score	75
Exons	1..51, 1..45, 2..388, 3..104, 150..371, 161..397, 410..460		
GI Descrip.	-		

Seq. No.	32569	Seq. ID	OJ990808_31.0103.C7
Gene No.	67582	Strand	-
Start	1	End	1095
Name	OJ990808_31.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	1	End	332
GI	none	Score	38
Exons	1..33, 2..208, 82..114, 150..200, 242..331, 243..332		

Seq. No.	32569	Seq. ID	OJ990808_31.0103.C7
Gene No.	67582	Strand	-
Start	1	End	1095
Name	OJ990808_31.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	5	End	226
GI	none	Score	205
Exons	5..226		

Seq. No.	32569	Seq. ID	OJ990808_31.0103.C7
Gene No.	67582	Strand	-
Start	1	End	1095
Name	OJ990808_31.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	5	End	322
GI	none	Score	59
Exons	5..322, 6..104, 98..322		

Seq. No.	32569	Seq. ID	OJ990808_31.0103.C7
Gene No.	67582	Strand	-
Start	1	End	1095
Name	OJ990808_31.0103.C7.o1.gs	Method	GENSCAN
Start	46	End	1093
GI	none	Score	.69
Exons	46..1093		

Seq. No.	32569	Seq. ID	OJ990808_31.0103.C7
Gene No.	67582	Strand	-
Start	1	End	1095
Name	OJ990808_31.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	776	End	1070
GI	none	Score	92
Exons	776..928, 914..1066, 924..1070		

Seq. No.	32570	Seq. ID	OJ990808_31.0103.C8
Gene No.	67583	Strand	+
Start	426	End	1596
Name	OJ990808_31.0103.C8.o1.gs	Method	GENSCAN
Start	426	End	1596
GI	none	Score	.75
Exons	426..474, 1481..1596		

Seq. No.	32571	Seq. ID	OJ990808_31.0103.C9
Gene No.	67584	Strand	+
Start	1571	End	1852
Name	OJ990808_31.0103.C9.o1.np	Method	AAT/NAP
Start	1571	End	1852
GI	6539588	Score	155
Exons	1571..1852		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	32571	Seq. ID	OJ990808_31.0103.C9
Gene No.	67585	Strand	-
Start	1917	End	2801
Name	OJ990808_31.0103.C9.o1.gs	Method	GENSCAN
Start	1917	End	2801
GI	none	Score	.59
Exons	1917..1950, 2029..2075, 2688..2801		

Seq. No.	32572	Seq. ID	OJ990808_31.0103.C10
Gene No.	67586	Strand	-
Start	1	End	469
Name	OJ990808_31.0103.C10.o1.np	Method	AAT/NAP
Start	1	End	469
GI	6006374	Score	724
Exons	1..469		

GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		
Seq. No.	32573	Seq. ID	OJ990808_31.0103.C11
Gene No.	67587	Strand	-
Start	1	End	5297
Name	OJ990808_31.0103.C11.o1.np	Method	AAT/NAP
Start	1	End	387
GI	3645899	Score	152
Exons	1..387		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		
Seq. No.	32573	Seq. ID	OJ990808_31.0103.C11
Gene No.	67587	Strand	-
Start	1	End	5297
Name	OJ990808_31.0103.C11.o1.gs	Method	GENSCAN
Start	99	End	5297
GI	none	Score	.41
Exons	99..384, 393..1461, 1649..1801, 1886..2194, 2432..2842, 2984..3165, 3589..3701, 4129..4312, 4398..4542, 5099..5297		
Seq. No.	32573	Seq. ID	OJ990808_31.0103.C11
Gene No.	67587	Strand	-
Start	1	End	5297
Name	OJ990808_31.0103.C11.o3.np	Method	AAT/NAP
Start	1605	End	3281
GI	6539588	Score	258
Exons	1605..1630, 2962..3281		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	32574	Seq. ID	OJ990808_31.0103.C12
Gene No.	67588	Strand	+
Start	279	End	2009
Name	OJ990808_31.0103.C12.o1.gs	Method	GENSCAN
Start	279	End	2009
GI	none	Score	.56
Exons	279..401, 981..1097, 1556..1606, 1981..2009		
Seq. No.	32575	Seq. ID	OJ990808_31.0103.C13
Gene No.	67589	Strand	+
Start	1	End	521
Name	OJ990808_31.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	521
GI	2852684	Score	175
Exons	1..521		
GI Descrip.	(AF017751) resistance protein candidate [Lactuca sativa]		
Seq. No.	32575	Seq. ID	OJ990808_31.0103.C13
Gene No.	67589	Strand	+
Start	1	End	521
Name	OJ990808_31.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	72	End	366
GI	none	Score	168
Exons	72..212, 85..261, 268..366, 286..357		
Seq. No.	32576	Seq. ID	OJ990808_31.0103.C14
Gene No.	67590	Strand	-

Start	1	End	3358
Name	OJ990808_31.0103.C14.o1.np	Method	AAT/NAP
Start	1	End	3258
GI	2829882	Score	234
Exons	1..94, 194..273, 1018..1071, 1363..1504, 3221..3258		
GI Descrip.	(AC002396) beta-oxoacyl-(acyl carrier protein) reductase [Arabidopsis thaliana]		

Seq. No.	32576	Seq. ID	OJ990808_31.0103.C14
Gene No.	67590	Strand	-
Start	1	End	3358
Name	OJ990808_31.0103.C14.o1.gs	Method	GENSCAN
Start	202	End	1518
GI	none	Score	.85
Exons	202..273, 1018..1071, 1363..1518		

Seq. No.	32576	Seq. ID	OJ990808_31.0103.C14
Gene No.	67590	Strand	-
Start	1	End	3358
Name	OJ990808_31.0103.C14.o2.gs	Method	GENSCAN
Start	3050	End	3358
GI	none	Score	.98
Exons	3050..3144, 3199..3358		

Seq. No.	32577	Seq. ID	OJ990808_31.0103.C15
Gene No.	67591	Strand	+
Start	197	End	306
Name	OJ990808_31.0103.C15.o1.gs	Method	GENSCAN
Start	197	End	306
GI	none	Score	.88
Exons	197..306		

Seq. No.	32578	Seq. ID	OJ990808_31.0103.C18
Gene No.	67592	Strand	+
Start	266	End	419
Name	OJ990808_31.0103.C18.o1.gs	Method	GENSCAN
Start	266	End	394
GI	none	Score	.54
Exons	266..394		

Seq. No.	32578	Seq. ID	OJ990808_31.0103.C18
Gene No.	67592	Strand	+
Start	266	End	419
Name	OJ990808_31.0103.C18.o1.np	Method	AAT/NAP
Start	266	End	419
GI	3288883	Score	185
Exons	266..419		
GI Descrip.	(AB015431) SAR DNA binding protein [Oryza sativa]		

Seq. No.	32579	Seq. ID	OJ990808_31.0103.C19
Gene No.	67593	Strand	-
Start	1	End	244
Name	OJ990808_31.0103.C19.o1.np	Method	AAT/NAP
Start	1	End	244
GI	2618698	Score	59
Exons	1..136, 207..244		
GI Descrip.	(AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	32579	Seq. ID	OJ990808_31.0103.C19
Gene No.	67593	Strand	-
Start	1	End	244
Name	OJ990808_31.0103.C19.o1.gp	Method	AAT/GAP
Start	70	End	129
GI	uC-osflcyp024b01b1	Score	93
Exons	70..129		
GI Descrip.	'2618698 1.0e-39 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	32580	Seq. ID	OJ990808_31.0103.C20
Gene No.	67594	Strand	+
Start	1	End	284
Name	OJ990808_31.0103.C20.o1.gp	Method	AAT/GAP
Start	1	End	284
GI	1_1.R1084	Score	441
Exons	1..284		
GI Descrip.	'5031285/gb|AAD38148.1|AF139501_1 1.0e-14 (AF139501) beta-amylase [Prunus armeniaca]'		

Seq. No.	32580	Seq. ID	OJ990808_31.0103.C20
Gene No.	67594	Strand	+
Start	1	End	284
Name	OJ990808_31.0103.C20.o1.np	Method	AAT/NAP
Start	1	End	284
GI	3618308	Score	386
Exons	1..284		
GI Descrip.	(AB001882) zinc finger protein [Oryza sativa]		

Seq. No.	32581	Seq. ID	OJ990808_31.0103.C21
Gene No.	67595	Strand	-
Start	1	End	341
Name	OJ990808_31.0103.C21.o1.gp	Method	AAT/GAP
Start	1	End	148
GI	59_1.R1084	Score	275
Exons	1..148		
GI Descrip.	'3288883/dbj|BAA31260| 0.0e+00 (AB015431) SAR DNA binding protein [Oryza sativa]'		

Seq. No.	32581	Seq. ID	OJ990808_31.0103.C21
Gene No.	67595	Strand	-
Start	1	End	341
Name	OJ990808_31.0103.C21.o1.np	Method	AAT/NAP
Start	1	End	341
GI	3288883	Score	201
Exons	1..148, 319..341		
GI Descrip.	(AB015431) SAR DNA binding protein [Oryza sativa]		

Seq. No.	32581	Seq. ID	OJ990808_31.0103.C21
Gene No.	67595	Strand	-
Start	1	End	341
Name	OJ990808_31.0103.C21.o1.tm	Method	TBLASTX:Maize
Start	2	End	150
GI	none	Score	227
Exons	2..148, 3..149, 13..150		

Seq. No.	32581	Seq. ID	OJ990808_31.0103.C21
Gene No.	67595	Strand	-
Start	1	End	341
Name	OJ990808_31.0103.C21.o1.ts	Method	TBLASTX:Soybean
Start	2	End	149
GI	none	Score	121
Exons	2..148, 3..149		

Seq. No.	32581	Seq. ID	OJ990808_31.0103.C21
Gene No.	67595	Strand	-
Start	1	End	341
Name	OJ990808_31.0103.C21.o1.tw	Method	TBLASTX:Wheat
Start	23	End	149
GI	none	Score	187
Exons	23..148, 24..149		

Seq. No.	32581	Seq. ID	OJ990808_31.0103.C21
Gene No.	67595	Strand	-
Start	1	End	341
Name	OJ990808_31.0103.C21.o1.gs	Method	GENSCAN
Start	31	End	148
GI	none	Score	.73
Exons	31..148		

Seq. No.	32582	Seq. ID	OJ990808_31.0103.C25
Gene No.	67596	Strand	-
Start	75	End	143
Name	OJ990808_31.0103.C25.o1.gs	Method	GENSCAN
Start	75	End	143
GI	none	Score	.87
Exons	75..143		

Seq. No.	32583	Seq. ID	OJ990808_31.0103.C27
Gene No.	67597	Strand	+
Start	152	End	295
Name	OJ990808_31.0103.C27.o1.gs	Method	GENSCAN
Start	152	End	295
GI	none	Score	.63
Exons	152..295		

Seq. No.	32584	Seq. ID	OJ990808_31.0103.C28
Gene No.	67598	Strand	+
Start	1	End	382
Name	OJ990808_31.0103.C28.o1.np	Method	AAT/NAP
Start	1	End	382
GI	5031285	Score	210
Exons	1..141, 222..382		
GI Descrip.	(AF139501) beta-amylase [Prunus armeniaca]		

Seq. No.	32584	Seq. ID	OJ990808_31.0103.C28
Gene No.	67598	Strand	+
Start	1	End	382
Name	OJ990808_31.0103.C28.o1.gs	Method	GENSCAN
Start	76	End	365
GI	none	Score	.96
Exons	76..141, 222..365		

Seq. No.	32584	Seq. ID	OJ990808_31.0103.C28
Gene No.	67598	Strand	+
Start	1	End	382
Name	OJ990808_31.0103.C28.o1.gp	Method	AAT/GAP
Start	213	End	382
GI	569009	Score	327
Exons	213..382		
GI Descrip.	5031285/gb|AAD38148.1|AF139501_1 1.0e-14 (AF139501) beta-amylase [Prunus armeniaca]		

Seq. No.	32585	Seq. ID	OJ990808_31.0103.C31
Gene No.	67599	Strand	-
Start	1	End	380
Name	OJ990808_31.0103.C31.o1.np	Method	AAT/NAP
Start	1	End	380
GI	3288883	Score	148
Exons	1..188, 303..380		
GI Descrip.	(AB015431) SAR DNA binding protein [Oryza sativa]		

Seq. No.	32585	Seq. ID	OJ990808_31.0103.C31
Gene No.	67599	Strand	-
Start	1	End	380
Name	OJ990808_31.0103.C31.o1.gs	Method	GENSCAN
Start	147	End	380
GI	none	Score	.85
Exons	147..188, 303..380		

Seq. No.	32586	Seq. ID	OJ990808_31.0103.C32
Gene No.	67600	Strand	+
Start	67	End	512
Name	OJ990808_31.0103.C32.o1.gs	Method	GENSCAN
Start	67	End	512
GI	none	Score	.88
Exons	67..166, 415..512		

Seq. No.	32587	Seq. ID	OJ990808_31.0103.C33
Gene No.	67601	Strand	-
Start	102	End	343
Name	OJ990808_31.0103.C33.o1.gs	Method	GENSCAN
Start	102	End	343
GI	none	Score	.8
Exons	102..343		

Seq. No.	32588	Seq. ID	OJ990808_31.0103.C34
Gene No.	67602	Strand	-
Start	15	End	158
Name	OJ990808_31.0103.C34.o1.gs	Method	GENSCAN
Start	15	End	158
GI	none	Score	.86
Exons	15..158		

Seq. No.	32589	Seq. ID	OJ990808_31.0103.C35
Gene No.	67603	Strand	+
Start	489	End	1138
Name	OJ990808_31.0103.C35.o1.np	Method	AAT/NAP
Start	489	End	1138
GI	2498930	Score	768

Exons	489..552, 720..1138		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	32590	Seq. ID	OJ990808_31.0103.C36
Gene No.	67604	Strand	-
Start	1	End	5824
Name	OJ990808_31.0103.C36.o1.np	Method	AAT/NAP
Start	1	End	2189
GI	2792220	Score	665
Exons	1..79, 595..2009, 2049..2189		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	32590	Seq. ID	OJ990808_31.0103.C36
Gene No.	67604	Strand	-
Start	1	End	5824
Name	OJ990808_31.0103.C36.o1.gs	Method	GENSCAN
Start	141	End	5824
GI	none	Score	.63
Exons	141..327, 446..608, 1020..2725, 4321..4422, 4577..4805, 4939..5088, 5771..5824		

Seq. No.	32590	Seq. ID	OJ990808_31.0103.C36
Gene No.	67604	Strand	-
Start	1	End	5824
Name	OJ990808_31.0103.C36.o1.ts	Method	TBLASTX:Soybean
Start	1011	End	1448
GI	none	Score	220
Exons	1011..1172, 1179..1448		

Seq. No.	32590	Seq. ID	OJ990808_31.0103.C36
Gene No.	67604	Strand	-
Start	1	End	5824
Name	OJ990808_31.0103.C36.o1.tm	Method	TBLASTX:Maize
Start	1163	End	1646
GI	none	Score	65
Exons	1163..1420, 1164..1373, 1164..1484, 1165..1473, 1593..1646		

Seq. No.	32591	Seq. ID	OJ990708_11.0125.C1
Gene No.	67605	Strand	+
Start	1	End	897
Name	OJ990708_11.0125.C1.o1.np	Method	AAT/NAP
Start	1	End	897
GI	5042454	Score	1309
Exons	1..897		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32591	Seq. ID	OJ990708_11.0125.C1
Gene No.	67605	Strand	+
Start	1	End	897
Name	OJ990708_11.0125.C1.o1.gs	Method	GENSCAN
Start	46	End	810
GI	none	Score	.53
Exons	46..289, 478..589, 607..810		

Seq. No.	32592	Seq. ID	OJ990708_11.0125.C2
Gene No.	67606	Strand	+

Start	1	End	1097
Name	OJ990708_11.0125.C2.o1.np	Method	AAT/NAP
Start	1	End	1097
GI	5042454	Score	530
Exons	1..208, 838..1097		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32592	Seq. ID	OJ990708_11.0125.C2
Gene No.	67606	Strand	+
Start	1	End	1097
Name	OJ990708_11.0125.C2.o1.tm	Method	TBLASTX:Maize
Start	65	End	209
GI	none	Score	186
Exons	65..205, 66..209		

Seq. No.	32593	Seq. ID	OJ990708_11.0125.C4
Gene No.	67607	Strand	+
Start	87	End	526
Name	OJ990708_11.0125.C4.o1.gs	Method	GENSCAN
Start	87	End	526
GI	none	Score	.98
Exons	87..101, 290..526		

Seq. No.	32593	Seq. ID	OJ990708_11.0125.C4
Gene No.	67608	Strand	+
Start	574	End	717
Name	OJ990708_11.0125.C4.o1.gp	Method	AAT/GAP
Start	574	End	717
GI	none	Score	257
Exons	574..717		

Seq. No.	32594	Seq. ID	OJ990708_11.0125.C5
Gene No.	67609	Strand	+
Start	48	End	1493
Name	OJ990708_11.0125.C5.o1.gs	Method	GENSCAN
Start	48	End	1493
GI	none	Score	.7
Exons	48..115, 1022..1174, 1209..1493		

Seq. No.	32595	Seq. ID	OJ990708_11.0125.C6
Gene No.	67610	Strand	-
Start	140	End	1834
Name	OJ990708_11.0125.C6.o1.gs	Method	GENSCAN
Start	140	End	1834
GI	none	Score	.61
Exons	140..406, 855..941, 1277..1594, 1715..1834		

Seq. No.	32596	Seq. ID	OJ990708_11.0125.C7
Gene No.	67611	Strand	-
Start	93	End	177
Name	OJ990708_11.0125.C7.o1.gs	Method	GENSCAN
Start	93	End	177
GI	none	Score	.99
Exons	93..177		

Seq. No.	32597	Seq. ID	OJ990708_11.0125.C8
Gene No.	67612	Strand	+

Start	666	End	1030
Name	OJ990708_11.0125.C8.o1.gp	Method	AAT/GAP
Start	666	End	1030
GI	uC-osf1M202068c11b1	Score	404
Exons	666..693, 816..1030		
GI Descrip.	'5824341/emb|CAB54517.1| 6.0e-32 (AJ238846) SGP1 monomeric G-protein [Arabidopsis thaliana]'		

Seq. No.	32597	Seq. ID	OJ990708_11.0125.C8
Gene No.	67612	Strand	+
Start	666	End	1030
Name	OJ990708_11.0125.C8.o1.gs	Method	GENSCAN
Start	710	End	982
GI	none	Score	.9
Exons	710..747, 865..982		

Seq. No.	32597	Seq. ID	OJ990708_11.0125.C8
Gene No.	67612	Strand	+
Start	666	End	1030
Name	OJ990708_11.0125.C8.o1.tm	Method	TBLASTX:Maize
Start	815	End	1030
GI	none	Score	283
Exons	815..1030, 816..851, 817..981, 900..986		

Seq. No.	32597	Seq. ID	OJ990708_11.0125.C8
Gene No.	67612	Strand	+
Start	666	End	1030
Name	OJ990708_11.0125.C8.o1.ts	Method	TBLASTX:Soybean
Start	815	End	982
GI	none	Score	244
Exons	815..982, 817..978		

Seq. No.	32597	Seq. ID	OJ990708_11.0125.C8
Gene No.	67612	Strand	+
Start	666	End	1030
Name	OJ990708_11.0125.C8.o1.np	Method	AAT/NAP
Start	818	End	985
GI	5824341	Score	196
Exons	818..985		
GI Descrip.	(AJ238846) SGP1 monomeric G-protein [Arabidopsis thaliana]		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67613	Strand	+
Start	1579	End	5316
Name	OJ990708_11.0125.C9.o1.gs	Method	GENSCAN
Start	1579	End	5104
GI	none	Score	.64
Exons	1579..1654, 3422..3561, 3966..4082, 4495..4674, 4872..4946, 5045..5104		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67613	Strand	+
Start	1579	End	5316
Name	OJ990708_11.0125.C9.o1.np	Method	AAT/NAP
Start	4492	End	5101
GI	2500380	Score	483
Exons	4492..4674, 4872..4946, 5045..5101		

GI Descrip. 60S RIBOSOMAL PROTEIN L44 gi|2119128|pir||JC4923 ribosomal protein RL44 - upland cotton gi|1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] gi|1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67613	Strand	+
Start	1579	End	5316
Name	OJ990708_11.0125.C9.o1.gp	Method	AAT/GAP
Start	4495	End	5119
GI	381_1.R1084	Score	565
Exons	4495..4674, 4872..4946, 5045..5119		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67613	Strand	+
Start	1579	End	5316
Name	OJ990708_11.0125.C9.o2.gp	Method	AAT/GAP
Start	4574	End	5316
GI	381_1.R1084	Score	740
Exons	4574..4674, 4872..4946, 5045..5316		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67614	Strand	+
Start	8359	End	11503
Name	OJ990708_11.0125.C9.o3.gs	Method	GENSCAN
Start	8359	End	11260
GI	none	Score	.88
Exons	8359..8363, 8690..8739, 8965..9055, 10093..10222, 10659..10838, 11026..11100, 11201..11260		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67614	Strand	+
Start	8359	End	11503
Name	OJ990708_11.0125.C9.o3.gp	Method	AAT/GAP
Start	9440	End	11503
GI	381_1.R1084	Score	1116
Exons	9440..9507, 10659..10838, 11026..11100, 11201..11503		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67615	Strand	-
Start	6566	End	7352
Name	OJ990708_11.0125.C9.o2.gs	Method	GENSCAN

Start	6566	End	7352
GI	none	Score	.8
Exons	6566..6670, 6688..6697, 6834..6947, 7033..7352		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o2.ts	Method	TBLASTX:Soybean
Start	4485	End	11290
GI	none	Score	319
Exons	4485..4673, 4495..4674, 4547..4675, 4869..4958, 4871..4945, 5021..5104, 5044..5103, 10658..10837, 10659..10838, 10711..10839, 11023..11112, 11025..11099, 11189..11290, 11199..11258, 11215..11259		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o2.tc	Method	TBLASTX:Cress
Start	4494	End	11265
GI	none	Score	320
Exons	4494..4673, 4495..4674, 4559..4675, 4869..4958, 4871..4945, 5021..5107, 5043..5111, 5044..5103, 10658..10837, 10659..10838, 10702..10839, 10723..10839, 11023..11112, 11025..11099, 11195..11260, 11199..11264, 11199..11258, 11200..11265		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o2.tw	Method	TBLASTX:Wheat
Start	4494	End	11263
GI	none	Score	326
Exons	4494..4673, 4495..4674, 4547..4675, 4869..4958, 4870..4995, 4871..4945, 5021..5104, 5043..5132, 5044..5103, 10658..10837, 10659..10838, 10702..10839, 10711..10839, 11023..11112, 11025..11099, 11192..11263, 11199..11258, 11215..11259		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o2.tm	Method	TBLASTX:Maize
Start	4494	End	11305
GI	none	Score	329
Exons	4494..4673, 4495..4674, 4547..4678, 4869..4958, 4871..4945, 5021..5104, 5043..5102, 5044..5106, 5044..5103, 10658..10837, 10659..10838, 10702..10839, 10711..10842, 11023..11112, 11025..11114, 11025..11099, 11189..11305, 11199..11258, 11215..11259		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o4.gp	Method	AAT/GAP
Start	13224	End	14728
GI	2214_1.R1084	Score	1399
Exons	13224..13483, 13591..13804, 14178..14400, 14677..14728		
GI Descrip.	'2997591 1.0e-68 (AF020814)		

glucose-6-phosphate/phosphate-translocator precursor [Pisum sativum]'

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o4.gs	Method	GENSCAN
Start	13326	End	16425
GI	none	Score	.94
Exons	13326..13331, 13591..13804, 14178..14400, 14677..15016, 15022..15678, 16297..16425		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o2.np	Method	AAT/NAP
Start	13524	End	15516
GI	3367515	Score	1271
Exons	13524..13804, 14178..14400, 14677..14902, 15022..15516		
GI Descrip.	(AC004392) Similar to glucose-6-phosphate/phosphate-translocator (GPT) gb|AF020814 from Pisum sativum. [Arabidopsis thaliana]		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o1.tm	Method	TBLASTX:Maize
Start	13587	End	15229
GI	none	Score	48
Exons	13587..13673, 13591..13803, 13592..13804, 13749..13805, 14175..14402, 14177..14401, 14673..14903, 14675..14902, 15019..15228, 15020..15226, 15137..15229		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o1.ts	Method	TBLASTX:Soybean
Start	13591	End	15228
GI	none	Score	247
Exons	13591..13812, 13604..13813, 14172..14402, 14177..14401, 14675..14836, 14675..14902, 14676..14903, 15019..15228, 15020..15226		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o3.tc	Method	TBLASTX:Cress
Start	13591	End	13812
GI	none	Score	114
Exons	13591..13812, 13592..13786		

Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o3.np	Method	AAT/NAP
Start	14092	End	16442
GI	81286	Score	220
Exons	14092..14295, 15043..15128, 15259..15560, 15999..16179,		

	16357..16442		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		
Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o1.tc	Method	TBLASTX:Cress
Start	14298	End	15229
GI	none	Score	127
Exons	14298..14402, 14300..14401, 14673..14903, 14675..14902, 15019..15228, 15020..15226, 15137..15229		
Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o1.tw	Method	TBLASTX:Wheat
Start	14352	End	15220
GI	none	Score	84
Exons	14352..14402, 14352..14399, 14673..14903, 14675..14902, 15019..15219, 15020..15220, 15137..15220		
Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o5.gp	Method	AAT/GAP
Start	14874	End	15157
GI	LIB3432-050-P1-K1-D8	Score	268
Exons	14874..14902, 15022..15157		
GI Descrip.	'2997593 2.0e-17 (AF020816) glucose-6-phosphate/phosphate-translocator precursor [Solanum tuberosum]'		
Seq. No.	32598	Seq. ID	OJ990708_11.0125.C9
Gene No.	67616	Strand	-
Start	13224	End	16442
Name	OJ990708_11.0125.C9.o6.gp	Method	AAT/GAP
Start	15322	End	15647
GI	none	Score	608
Exons	15322..15647		
Seq. No.	32599	Seq. ID	OJ990708_11.0125.C11
Gene No.	67617	Strand	-
Start	1	End	836
Name	OJ990708_11.0125.C11.o1.gp	Method	AAT/GAP
Start	1	End	836
GI	none	Score	1259
Exons	1..85, 245..836		
Seq. No.	32599	Seq. ID	OJ990708_11.0125.C11
Gene No.	67617	Strand	-
Start	1	End	836
Name	OJ990708_11.0125.C11.o1.gs	Method	GENSCAN
Start	20	End	673
GI	none	Score	.8
Exons	20..85, 245..673		

Seq. No.	32599	Seq. ID	OJ990708_11.0125.C11
Gene No.	67618	Strand	-
Start	934	End	1198
Name	OJ990708_11.0125.C11.o1.np	Method	AAT/NAP
Start	934	End	1198
GI	5103193	Score	345
Exons	934..1198		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	32600	Seq. ID	OJ990708_11.0125.C12
Gene No.	67619	Strand	-
Start	110	End	1510
Name	OJ990708_11.0125.C12.o1.gs	Method	GENSCAN
Start	110	End	1510
GI	none	Score	.5
Exons	110..263, 611..735, 774..859, 1488..1510		

Seq. No.	32601	Seq. ID	OJ990708_11.0125.C13
Gene No.	67620	Strand	-
Start	82	End	278
Name	OJ990708_11.0125.C13.o1.gs	Method	GENSCAN
Start	82	End	278
GI	none	Score	.44
Exons	82..278		

Seq. No.	32602	Seq. ID	OJ990708_11.0125.C15
Gene No.	67621	Strand	-
Start	1	End	868
Name	OJ990708_11.0125.C15.o1.np	Method	AAT/NAP
Start	1	End	868
GI	5824341	Score	265
Exons	1..112, 228..324, 463..586, 746..868		
GI Descrip.	(AJ238846) SGP1 monomeric G-protein [Arabidopsis thaliana]		

Seq. No.	32602	Seq. ID	OJ990708_11.0125.C15
Gene No.	67621	Strand	-
Start	1	End	868
Name	OJ990708_11.0125.C15.o1.tm	Method	TBLASTX:Maize
Start	67	End	569
GI	none	Score	57
Exons	67..111, 73..114, 216..329, 221..328, 461..556, 461..565, 465..566, 465..569		

Seq. No.	32602	Seq. ID	OJ990708_11.0125.C15
Gene No.	67621	Strand	-
Start	1	End	868
Name	OJ990708_11.0125.C15.o1.gs	Method	GENSCAN
Start	228	End	586
GI	none	Score	.76
Exons	228..324, 466..586		

Seq. No.	32603	Seq. ID	OJ990708_11.0125.C17
Gene No.	67622	Strand	+
Start	1847	End	2629
Name	OJ990708_11.0125.C17.o1.gs	Method	GENSCAN

Start	1847	End	2507
GI	none	Score	.59
Exons	1847..1897, 2265..2507		

Seq. No.	32603	Seq. ID	OJ990708_11.0125.C17
Gene No.	67622	Strand	+
Start	1847	End	2629
Name	OJ990708_11.0125.C17.o1.gp	Method	AAT/GAP
Start	1887	End	2508
GI	7528_2.R1084	Score	1041
Exons	1887..2508		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	32603	Seq. ID	OJ990708_11.0125.C17
Gene No.	67622	Strand	+
Start	1847	End	2629
Name	OJ990708_11.0125.C17.o1.np	Method	AAT/NAP
Start	2079	End	2629
GI	140291	Score	662
Exons	2079..2629		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	32603	Seq. ID	OJ990708_11.0125.C17
Gene No.	67623	Strand	+
Start	2724	End	2942
Name	OJ990708_11.0125.C17.o2.tm	Method	TBLASTX:Maize
Start	1845	End	2638
GI	none	Score	99
Exons	1845..1913, 1845..1913, 1846..1914, 1847..1933, 1881..1979, 1881..1979, 1903..1980, 1906..1995, 1910..1981, 2491..2511, 2527..2616, 2555..2638, 2555..2611, 2557..2616		

Seq. No.	32603	Seq. ID	OJ990708_11.0125.C17
Gene No.	67623	Strand	+
Start	2724	End	2942
Name	OJ990708_11.0125.C17.o1.ts	Method	TBLASTX:Soybean
Start	2070	End	2468
GI	none	Score	98
Exons	2070..2231, 2075..2215, 2219..2422, 2253..2468, 2253..2465		

Seq. No.	32603	Seq. ID	OJ990708_11.0125.C17
Gene No.	67623	Strand	+
Start	2724	End	2942
Name	OJ990708_11.0125.C17.o1.tc	Method	TBLASTX:Cress
Start	2076	End	2914
GI	none	Score	357
Exons	2076..2465, 2077..2442, 2078..2470, 2079..2471, 2721..2837, 2722..2829, 2724..2837, 2822..2908, 2837..2914		

Seq. No.	32603	Seq. ID	OJ990708_11.0125.C17
Gene No.	67623	Strand	+

Start	2724	End	2942
Name	OJ990708_11.0125.C17.o1.tm	Method	TBLASTX:Maize
Start	2234	End	2471
GI	none	Score	46
Exons	2234..2266, 2235..2267, 2242..2466, 2250..2471, 2253..2468		

Seq. No.	32603	Seq. ID	OJ990708_11.0125.C17
Gene No.	67623	Strand	+
Start	2724	End	2942
Name	OJ990708_11.0125.C17.o2.np	Method	AAT/NAP
Start	2724	End	2942
GI	140291	Score	180
Exons	2724..2942		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	32604	Seq. ID	OJ990708_11.0125.C18
Gene No.	67624	Strand	+
Start	1	End	637
Name	OJ990708_11.0125.C18.o1.np	Method	AAT/NAP
Start	1	End	582
GI	552858	Score	994
Exons	1..582		
GI Descrip.	(M15955) cytochrome f [Oryza sativa] gi|225534|prf||1305268A cytochrome f [Oryza sativa]		

Seq. No.	32604	Seq. ID	OJ990708_11.0125.C18
Gene No.	67624	Strand	+
Start	1	End	637
Name	OJ990708_11.0125.C18.o1.tc	Method	TBLASTX:Cress
Start	1	End	566
GI	none	Score	599
Exons	1..411, 1..402, 508..564, 508..564, 516..566		

Seq. No.	32604	Seq. ID	OJ990708_11.0125.C18
Gene No.	67624	Strand	+
Start	1	End	637
Name	OJ990708_11.0125.C18.o1.ts	Method	TBLASTX:Soybean
Start	1	End	606
GI	none	Score	906
Exons	1..606, 1..597, 9..605		

Seq. No.	32604	Seq. ID	OJ990708_11.0125.C18
Gene No.	67624	Strand	+
Start	1	End	637
Name	OJ990708_11.0125.C18.o1.gs	Method	GENSCAN
Start	136	End	585
GI	none	Score	.53
Exons	136..585		

Seq. No.	32604	Seq. ID	OJ990708_11.0125.C18
Gene No.	67624	Strand	+
Start	1	End	637
Name	OJ990708_11.0125.C18.o2.tw	Method	TBLASTX:Wheat
Start	149	End	265

GI	none	Score	205
Exons	149..265, 151..264		

Seq. No.	32604	Seq. ID	OJ990708_11.0125.C18
Gene No.	67624	Strand	+
Start	1	End	637
Name	OJ990708_11.0125.C18.o1.tw	Method	TBLASTX:Wheat
Start	391	End	637
GI	none	Score	401
Exons	391..633, 392..637		

Seq. No.	32605	Seq. ID	OJ990708_11.0125.C19
Gene No.	67625	Strand	-
Start	1	End	2262
Name	OJ990708_11.0125.C19.o1.np	Method	AAT/NAP
Start	1	End	2262
GI	4680203	Score	1402
Exons	1..28, 269..1554, 2241..2262		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32605	Seq. ID	OJ990708_11.0125.C19
Gene No.	67625	Strand	-
Start	1	End	2262
Name	OJ990708_11.0125.C19.o1.gp	Method	AAT/GAP
Start	181	End	329
GI	21474_1.R1084	Score	241
Exons	181..329		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32605	Seq. ID	OJ990708_11.0125.C19
Gene No.	67625	Strand	-
Start	1	End	2262
Name	OJ990708_11.0125.C19.o1.gs	Method	GENSCAN
Start	304	End	1555
GI	none	Score	.41
Exons	304..442, 715..1190, 1196..1555		

Seq. No.	32605	Seq. ID	OJ990708_11.0125.C19
Gene No.	67625	Strand	-
Start	1	End	2262
Name	OJ990708_11.0125.C19.o2.gp	Method	AAT/GAP
Start	343	End	1551
GI	342_1.R1084	Score	1866
Exons	343..1551		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	32605	Seq. ID	OJ990708_11.0125.C19
Gene No.	67625	Strand	-
Start	1	End	2262
Name	OJ990708_11.0125.C19.o2.tw	Method	TBLASTX:Wheat
Start	347	End	637
GI	none	Score	98
Exons	347..466, 367..465, 371..466, 459..524, 460..525, 466..525, 467..526, 521..637, 522..635, 527..637		

Seq. No.	32605	Seq. ID	OJ990708_11.0125.C19
Gene No.	67625	Strand	-
Start	1	End	2262
Name	OJ990708_11.0125.C19.o1.tc	Method	TBLASTX:Cress
Start	459	End	771
GI	none	Score	52
Exons	459..524, 477..581, 527..712,	621..674, 714..764, 724..771	

Seq. No.	32605	Seq. ID	OJ990708_11.0125.C19
Gene No.	67625	Strand	-
Start	1	End	2262
Name	OJ990708_11.0125.C19.o1.tm	Method	TBLASTX:Maize
Start	459	End	664
GI	none	Score	43
Exons	459..524, 460..519, 527..664,	528..584, 609..647	

Seq. No.	32605	Seq. ID	OJ990708_11.0125.C19
Gene No.	67625	Strand	-
Start	1	End	2262
Name	OJ990708_11.0125.C19.o2.ts	Method	TBLASTX:Soybean
Start	524	End	773
GI	none	Score	90
Exons	524..670, 527..712, 528..713,	714..746, 714..773	

Seq. No.	32605	Seq. ID	OJ990708_11.0125.C19
Gene No.	67625	Strand	-
Start	1	End	2262
Name	OJ990708_11.0125.C19.o1.ts	Method	TBLASTX:Soybean
Start	792	End	1082
GI	none	Score	103
Exons	792..857, 864..1082, 868..1074		

Seq. No.	32605	Seq. ID	OJ990708_11.0125.C19
Gene No.	67625	Strand	-
Start	1	End	2262
Name	OJ990708_11.0125.C19.o1.tw	Method	TBLASTX:Wheat
Start	849	End	1205
GI	none	Score	158
Exons	849..1106, 854..1105, 864..1115,	865..1107, 1098..1205	

Seq. No.	32605	Seq. ID	OJ990708_11.0125.C19
Gene No.	67625	Strand	-
Start	1	End	2262
Name	OJ990708_11.0125.C19.o3.gp	Method	AAT/GAP
Start	1100	End	1603
GI	2310235	Score	243
Exons	1100..1126, 1416..1603		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	32606	Seq. ID	OJ990708_11.0125.C20
Gene No.	67626	Strand	-
Start	1	End	3928
Name	OJ990708_11.0125.C20.o1.np	Method	AAT/NAP
Start	1	End	3928
GI	4581139	Score	1219
Exons	1..79, 227..454, 600..733,	1762..1845, 1936..2226, 2843..3175,	

3731..3928
GI Descrip. (AC006919) putative ABC transporter [Arabidopsis thaliana]

Seq. No.	32606	Seq. ID	OJ990708_11.0125.C20
Gene No.	67626	Strand	-
Start	1	End	3928
Name	OJ990708_11.0125.C20.o2.tm	Method	TBLASTX:Maize
Start	199	End	462
GI	none	Score	171
Exons	199..462, 227..406, 243..455, 244..456		

Seq. No.	32606	Seq. ID	OJ990708_11.0125.C20
Gene No.	67626	Strand	-
Start	1	End	3928
Name	OJ990708_11.0125.C20.o1.tw	Method	TBLASTX:Wheat
Start	226	End	2065
GI	none	Score	106
Exons	226..489, 599..736, 666..788, 1762..1854, 1763..1840, 1936..2004, 1936..2064, 1937..2065		

Seq. No.	32606	Seq. ID	OJ990708_11.0125.C20
Gene No.	67626	Strand	-
Start	1	End	3928
Name	OJ990708_11.0125.C20.o1.gs	Method	GENSCAN
Start	227	End	3175
GI	none	Score	.63
Exons	227..454, 600..733, 2020..2226, 2843..3175		

Seq. No.	32606	Seq. ID	OJ990708_11.0125.C20
Gene No.	67626	Strand	-
Start	1	End	3928
Name	OJ990708_11.0125.C20.o3.tc	Method	TBLASTX:Cress
Start	229	End	461
GI	none	Score	58
Exons	229..450, 234..461, 236..412		

Seq. No.	32606	Seq. ID	OJ990708_11.0125.C20
Gene No.	67626	Strand	-
Start	1	End	3928
Name	OJ990708_11.0125.C20.o1.ts	Method	TBLASTX:Soybean
Start	235	End	3206
GI	none	Score	77
Exons	235..465, 236..412, 599..739, 599..748, 1567..1674, 1762..1854, 1763..1873, 1925..2167, 1936..2226, 2062..2193, 2834..3175, 2842..3177, 2844..3206		

Seq. No.	32606	Seq. ID	OJ990708_11.0125.C20
Gene No.	67626	Strand	-
Start	1	End	3928
Name	OJ990708_11.0125.C20.o3.tm	Method	TBLASTX:Maize
Start	599	End	2089
GI	none	Score	72
Exons	599..748, 671..724, 1762..1854, 1931..2089, 1936..2088		

Seq. No.	32606	Seq. ID	OJ990708_11.0125.C20
Gene No.	67626	Strand	-
Start	1	End	3928

Name	OJ990708_11.0125.C20.o1.tc	Method	TBLASTX:Cress
Start	647	End	2228
GI	none	Score	100
Exons	647..736, 669..740, 1762..1854, 1763..1840, 1936..2226, 1937..2167, 2073..2228		

Seq. No.	32606	Seq. ID	OJ990708_11.0125.C20
Gene No.	67626	Strand	-
Start	1	End	3928
Name	OJ990708_11.0125.C20.o1.tm	Method	TBLASTX:Maize
Start	2120	End	3177
GI	none	Score	88
Exons	2120..2167, 2120..2224, 2122..2193, 2122..2253, 2130..2225, 2834..3175, 2835..3176, 2857..3177		

Seq. No.	32606	Seq. ID	OJ990708_11.0125.C20
Gene No.	67626	Strand	-
Start	1	End	3928
Name	OJ990708_11.0125.C20.o2.tc	Method	TBLASTX:Cress
Start	2834	End	3206
GI	none	Score	273
Exons	2834..3175, 2835..3206, 2862..3176		

Seq. No.	32607	Seq. ID	OJ990708_11.0125.C21
Gene No.	67627	Strand	-
Start	1435	End	1620
Name	OJ990708_11.0125.C21.o1.gs	Method	GENSCAN
Start	1435	End	1620
GI	none	Score	.72
Exons	1435..1620		

Seq. No.	32608	Seq. ID	OJ990708_11.0125.C23
Gene No.	67628	Strand	+
Start	1	End	752
Name	OJ990708_11.0125.C23.o1.np	Method	AAT/NAP
Start	1	End	752
GI	2388577	Score	151
Exons	1..31, 564..752		
GI Descrip.	(AC000098) Similar to Arabidopsis putative ion-channel PID:g2262157 (gb|AC002329). [Arabidopsis thaliana]		

Seq. No.	32608	Seq. ID	OJ990708_11.0125.C23
Gene No.	67628	Strand	+
Start	1	End	752
Name	OJ990708_11.0125.C23.o1.gs	Method	GENSCAN
Start	530	End	752
GI	none	Score	.42
Exons	530..752		

Seq. No.	32608	Seq. ID	OJ990708_11.0125.C23
Gene No.	67628	Strand	+
Start	1	End	752
Name	OJ990708_11.0125.C23.o1.tc	Method	TBLASTX:Cress
Start	565	End	748
GI	none	Score	191
Exons	565..747, 566..748, 572..748		

Seq. No.	32608	Seq. ID	OJ990708_11.0125.C23
Gene No.	67628	Strand	+
Start	1	End	752
Name	OJ990708_11.0125.C23.o1.tm	Method	TBLASTX:Maize
Start	571	End	751
GI	none	Score	205
Exons	571..750, 572..751, 575..751		

Seq. No.	32609	Seq. ID	OJ990708_11.0125.C24
Gene No.	67629	Strand	+
Start	95	End	547
Name	OJ990708_11.0125.C24.o1.tc	Method	TBLASTX:Cress
Start	91	End	521
GI	none	Score	188
Exons	91..135, 215..490, 216..521		

Seq. No.	32609	Seq. ID	OJ990708_11.0125.C24
Gene No.	67629	Strand	+
Start	95	End	547
Name	OJ990708_11.0125.C24.o1.np	Method	AAT/NAP
Start	95	End	547
GI	2388577	Score	349
Exons	95..127, 214..547		
GI Descrip.	(AC000098) Similar to Arabidopsis putative ion-channel PID:g2262157 (gb|AC002329). [Arabidopsis thaliana]		

Seq. No.	32609	Seq. ID	OJ990708_11.0125.C24
Gene No.	67629	Strand	+
Start	95	End	547
Name	OJ990708_11.0125.C24.o1.tm	Method	TBLASTX:Maize
Start	215	End	547
GI	none	Score	221
Exons	215..547, 276..545		

Seq. No.	32609	Seq. ID	OJ990708_11.0125.C24
Gene No.	67629	Strand	+
Start	95	End	547
Name	OJ990708_11.0125.C24.o1.ts	Method	TBLASTX:Soybean
Start	314	End	547
GI	none	Score	215
Exons	314..418, 321..545, 467..547		

Seq. No.	32610	Seq. ID	OJ990708_11.0125.C26
Gene No.	67630	Strand	-
Start	1	End	1194
Name	OJ990708_11.0125.C26.o1.np	Method	AAT/NAP
Start	1	End	1194
GI	5922623	Score	183
Exons	1..31, 316..391, 559..714, 1109..1194		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32611	Seq. ID	OJ990708_11.0125.C27
Gene No.	67631	Strand	-
Start	84	End	716
Name	OJ990708_11.0125.C27.o1.tw	Method	TBLASTX:Wheat

Start	31	End	248
GI	none	Score	331
Exons	31..246, 32..247, 36..248		

Seq. No.	32611	Seq. ID	OJ990708_11.0125.C27
Gene No.	67631	Strand	-
Start	84	End	716
Name	OJ990708_11.0125.C27.o1.ts	Method	TBLASTX:Soybean
Start	63	End	716
GI	none	Score	251
Exons	63..248, 64..249, 321..716, 322..708, 341..709		

Seq. No.	32611	Seq. ID	OJ990708_11.0125.C27
Gene No.	67631	Strand	-
Start	84	End	716
Name	OJ990708_11.0125.C27.o1.gs	Method	GENSCAN
Start	84	End	581
GI	none	Score	.58
Exons	84..581		

Seq. No.	32611	Seq. ID	OJ990708_11.0125.C27
Gene No.	67631	Strand	-
Start	84	End	716
Name	OJ990708_11.0125.C27.o1.np	Method	AAT/NAP
Start	87	End	716
GI	552858	Score	905
Exons	87..272, 321..716		
GI Descrip.	(M15955) cytochrome f [Oryza sativa] gi|225534|prf||1305268A cytochrome f [Oryza sativa]		

Seq. No.	32611	Seq. ID	OJ990708_11.0125.C27
Gene No.	67631	Strand	-
Start	84	End	716
Name	OJ990708_11.0125.C27.o1.tc	Method	TBLASTX:Cress
Start	101	End	716
GI	none	Score	70
Exons	101..154, 105..161, 105..161, 318..716, 319..711, 324..716		

Seq. No.	32611	Seq. ID	OJ990708_11.0125.C27
Gene No.	67631	Strand	-
Start	84	End	716
Name	OJ990708_11.0125.C27.o2.tw	Method	TBLASTX:Wheat
Start	452	End	568
GI	none	Score	187
Exons	452..568, 453..566		

Seq. No.	32612	Seq. ID	OJ990708_11.0125.C28
Gene No.	67632	Strand	-
Start	292	End	523
Name	OJ990708_11.0125.C28.o1.tc	Method	TBLASTX:Cress
Start	8	End	324
GI	none	Score	236
Exons	8..229, 9..203, 9..260, 204..293, 207..296, 295..324		

Seq. No.	32612	Seq. ID	OJ990708_11.0125.C28
Gene No.	67632	Strand	-
Start	292	End	523

Name	OJ990708_11.0125.C28.o1.np	Method	AAT/NAP
Start	292	End	523
GI	6723804	Score	244
Exons	292..523		
GI Descrip.	(AJ271079) hypothetical protein [Oenothera elata subsp. hookeri] gi|6723819|emb|CAB67230.1| (AJ271079) hypothetical protein [Oenothera elata subsp. hookeri]		

Seq. No.	32613	Seq. ID	OJ990708_11.0125.C29
Gene No.	67633	Strand	-
Start	1	End	77
Name	OJ990708_11.0125.C29.o1.gp	Method	AAT/GAP
Start	1	End	77
GI	LIB3431-010-P1-K1-D4	Score	135
Exons	1..77		
GI Descrip.	'984755/emb|Z54153|OSCHINDPR 3.0e-23 O.sativa mRNA for chilling-inducible protein'		

Seq. No.	32614	Seq. ID	OJ990708_11.0125.C31
Gene No.	67634	Strand	-
Start	1	End	1089
Name	OJ990708_11.0125.C31.o1.np	Method	AAT/NAP
Start	1	End	1089
GI	2388577	Score	988
Exons	1..1089		
GI Descrip.	(AC000098) Similar to Arabidopsis putative ion-channel PID:g2262157 (gb|AC002329). [Arabidopsis thaliana]		

Seq. No.	32614	Seq. ID	OJ990708_11.0125.C31
Gene No.	67634	Strand	-
Start	1	End	1089
Name	OJ990708_11.0125.C31.o1.tc	Method	TBLASTX:Cress
Start	3	End	1080
GI	none	Score	82
Exons	3..143, 16..144, 154..381, 168..737, 800..973, 818..973, 819..980, 1039..1080		

Seq. No.	32614	Seq. ID	OJ990708_11.0125.C31
Gene No.	67634	Strand	-
Start	1	End	1089
Name	OJ990708_11.0125.C31.o1.ts	Method	TBLASTX:Soybean
Start	12	End	395
GI	none	Score	149
Exons	12..395, 85..393		

Seq. No.	32614	Seq. ID	OJ990708_11.0125.C31
Gene No.	67634	Strand	-
Start	1	End	1089
Name	OJ990708_11.0125.C31.o1.gs	Method	GENSCAN
Start	18	End	665
GI	none	Score	.43
Exons	18..665		

Seq. No.	32614	Seq. ID	OJ990708_11.0125.C31
Gene No.	67634	Strand	-
Start	1	End	1089
Name	OJ990708_11.0125.C31.o2.ts	Method	TBLASTX:Soybean

Start	396	End	692
GI	none	Score	203
Exons	396..692		

Seq. No.	32614	Seq. ID	OJ990708_11.0125.C31
Gene No.	67634	Strand	-
Start	1	End	1089
Name	OJ990708_11.0125.C31.o1.tm	Method	TBLASTX:Maize
Start	435	End	725
GI	none	Score	128
Exons	435..686, 442..657, 600..683, 696..725		

Seq. No.	32615	Seq. ID	OJ990908_11.0114.C1
Gene No.	67635	Strand	+
Start	958	End	1995
Name	OJ990908_11.0114.C1.o1.gs	Method	GENSCAN
Start	958	End	1995
GI	none	Score	.41
Exons	958..1180, 1910..1995		

Seq. No.	32615	Seq. ID	OJ990908_11.0114.C1
Gene No.	67636	Strand	-
Start	2355	End	3074
Name	OJ990908_11.0114.C1.o2.gs	Method	GENSCAN
Start	2355	End	3074
GI	none	Score	.4
Exons	2355..2363, 2442..2671, 2676..2852, 3005..3074		

Seq. No.	32615	Seq. ID	OJ990908_11.0114.C1
Gene No.	67637	Strand	-
Start	5044	End	5157
Name	OJ990908_11.0114.C1.o3.gs	Method	GENSCAN
Start	5044	End	5157
GI	none	Score	.69
Exons	5044..5157		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67638	Strand	+
Start	273	End	3607
Name	OJ990908_11.0114.C2.o1.gs	Method	GENSCAN
Start	273	End	3607
GI	none	Score	.87
Exons	273..314, 917..1027, 1271..1342, 1421..1539, 1806..1869, 1958..3607		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67638	Strand	+
Start	273	End	3607
Name	OJ990908_11.0114.C2.o1.gp	Method	AAT/GAP
Start	2675	End	2810
GI	3106589	Score	239
Exons	2675..2810		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67639	Strand	+
Start	4687	End	4948
Name	OJ990908_11.0114.C2.o2.gp	Method	AAT/GAP

Start	4687	End	4948
GI	1854152	Score	515
Exons	4687..4948		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67640	Strand	+
Start	9781	End	10145
Name	OJ990908_11.0114.C2.o1.np	Method	AAT/NAP
Start	9781	End	10145
GI	6539585	Score	92
Exons	9781..9952, 10086..10145		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67641	Strand	+
Start	11989	End	18767
Name	OJ990908_11.0114.C2.o2.np	Method	AAT/NAP
Start	11989	End	18767
GI	6587849	Score	183
Exons	11989..12057, 15271..15477, 15581..15793, 18730..18767		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67642	Strand	+
Start	32800	End	33210
Name	OJ990908_11.0114.C2.o9.gp	Method	AAT/GAP
Start	32800	End	33210
GI	none	Score	652
Exons	32800..33210		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67643	Strand	-
Start	5085	End	8598
Name	OJ990908_11.0114.C2.o2.gs	Method	GENSCAN
Start	5085	End	8520
GI	none	Score	.76
Exons	5085..5287, 5567..5887, 7118..7274, 7486..7664, 8406..8520		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67643	Strand	-
Start	5085	End	8598
Name	OJ990908_11.0114.C2.o3.gp	Method	AAT/GAP
Start	5801	End	8598
GI	none	Score	1164
Exons	5801..5887, 7118..7274, 7486..7664, 8406..8598		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67644	Strand	-
Start	12646	End	12839
Name	OJ990908_11.0114.C2.o5.gp	Method	AAT/GAP
Start	12646	End	12839
GI	uC-osflcyp039h04b1	Score	304
Exons	12646..12839		
GI Descrip.	'1617274/emb|CAA96522| 1.0e-09 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67645	Strand	-
Start	18101	End	25204
Name	OJ990908_11.0114.C2.o6.gp	Method	AAT/GAP
Start	17819	End	18231
GI	none	Score	718
Exons	17819..18231		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67645	Strand	-
Start	18101	End	25204
Name	OJ990908_11.0114.C2.o5.gs	Method	GENSCAN
Start	18101	End	25204
GI	none	Score	.79
Exons	18101..18465, 18635..18746, 18826..18951, 19024..19156, 20894..21018, 21139..21234, 21309..21446, 21519..21625, 22143..22251, 22348..22449, 23842..23928, 25079..25204		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67645	Strand	-
Start	18101	End	25204
Name	OJ990908_11.0114.C2.o3.np	Method	AAT/NAP
Start	18176	End	25204
GI	2196466	Score	1074
Exons	18176..18465, 18635..18746, 18826..18951, 19024..19156, 20894..21018, 21139..21234, 21309..21446, 21519..21625, 22143..22251, 22348..22449, 23842..23928, 25079..25204		
GI Descrip.	(Y13673) TATA binding protein-associated factor [Arabidopsis thaliana]		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67645	Strand	-
Start	18101	End	25204
Name	OJ990908_11.0114.C2.o7.gp	Method	AAT/GAP
Start	18318	End	20987
GI	26866_1.R1084	Score	1084
Exons	18318..18465, 18635..18746, 18826..18951, 19024..19156, 20894..20987		
GI Descrip.	'4585980/gb|AAD25616.1|AC005287_18 6.0e-48 (AC005287) Very similar to TATA binding protein-associated factor [Arabidopsis thaliana]'		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67645	Strand	-
Start	18101	End	25204
Name	OJ990908_11.0114.C2.o8.gp	Method	AAT/GAP
Start	20983	End	22451
GI	19873_1.R1084	Score	1056
Exons	20983..21018, 21139..21234, 21309..21446, 21519..21625, 22143..22251, 22348..22451		
GI Descrip.	'2196466/emb|CAA74021| 6.0e-73 (Y13673) TATA binding protein-associated factor [Arabidopsis thaliana]'		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o1.tw	Method	TBLASTX:Wheat

Start	962	End	1539
GI	none	Score	108
Exons	962..1027, 962..1027, 1267..1332, 1268..1345, 1268..1345, 1420..1539, 1421..1537		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o2.tm	Method	TBLASTX:Maize
Start	1303	End	2560
GI	none	Score	59
Exons	1303..1341, 1304..1345, 1420..1533, 1421..1537, 1424..1540, 1804..1869, 1807..1869, 1958..2239, 1963..2208, 2069..2224, 2083..2220, 2258..2326, 2329..2394, 2383..2466, 2420..2560		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o2.tc	Method	TBLASTX:Cress
Start	5082	End	5805
GI	none	Score	43
Exons	5082..5135, 5086..5127, 5124..5282, 5124..5291, 5218..5292, 5565..5801, 5566..5805		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o5.tm	Method	TBLASTX:Maize
Start	5094	End	5615
GI	none	Score	80
Exons	5094..5291, 5094..5291, 5565..5615		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o2.tw	Method	TBLASTX:Wheat
Start	15581	End	15793
GI	none	Score	195
Exons	15581..15793, 15646..15768		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o3.tm	Method	TBLASTX:Maize
Start	18101	End	18353
GI	none	Score	263
Exons	18101..18352, 18102..18353, 18102..18353		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o2.ts	Method	TBLASTX:Soybean
Start	18131	End	19159
GI	none	Score	43
Exons	18131..18238, 18629..18745, 18822..18977, 18826..19005, 18896..18955, 19018..19158, 19019..19159		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o1.tm	Method	TBLASTX:Maize
Start	18621	End	20985
GI	none	Score	98
Exons	18621..18764, 18629..18745, 18630..18746, 18631..18771, 18826..18951, 18827..18952, 18828..18953, 18828..18953, 19019..19156, 19021..19161, 19030..19164, 20891..20980, 20902..20985, 20903..20983		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o1.tc	Method	TBLASTX:Cress
Start	18705	End	25204
GI	none	Score	70
Exons	18705..18743, 18826..18951, 19021..19158, 19022..19126, 20891..21016, 20893..21018, 21136..21237, 21143..21223, 21307..21444, 21308..21391, 21312..21452, 21462..21566, 21523..21564, 22144..22251, 22145..22249, 22345..22413, 23851..23931, 25077..25199, 25079..25204		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o1.ts	Method	TBLASTX:Soybean
Start	20872	End	21626
GI	none	Score	75
Exons	20872..21015, 20872..21036, 20873..21028, 21136..21237, 21140..21235, 21307..21444, 21307..21444, 21312..21452, 21511..21585, 21516..21626, 21523..21585		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o4.tm	Method	TBLASTX:Maize
Start	20986	End	21435
GI	none	Score	39
Exons	20986..21018, 20987..21016, 21136..21237, 21140..21283, 21143..21235, 21148..21237, 21307..21435, 21312..21434		

Seq. No.	32616	Seq. ID	OJ990908_11.0114.C2
Gene No.	67646	Strand	-
Start	25321	End	28618
Name	OJ990908_11.0114.C2.o6.gs	Method	GENSCAN
Start	25321	End	28618
GI	none	Score	.83
Exons	25321..25505, 26977..27153, 28402..28618		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67647	Strand	+
Start	1	End	735
Name	OJ990908_11.0114.C3.o1.gp	Method	AAT/GAP
Start	1	End	431
GI	2800896	Score	467
Exons	1..357, 392..431		

GI Descrip.	984755/emb|Z54153|OSCHINDPR 3.0e-23 O.sativa mRNA for chilling-inducible protein		
Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67647	Strand	+
Start	1	End	735
Name	OJ990908_11.0114.C3.o1.gs	Method	GENSCAN
Start	82	End	735
GI	none	Score	.54
Exons	82..735		
Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67648	Strand	+
Start	9825	End	14485
Name	OJ990908_11.0114.C3.o3.gs	Method	GENSCAN
Start	9825	End	14485
GI	none	Score	.4
Exons	9825..9955, 12337..12361, 12813..12913, 14323..14485		
Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67649	Strand	+
Start	16524	End	18138
Name	OJ990908_11.0114.C3.o4.gs	Method	GENSCAN
Start	16524	End	18138
GI	none	Score	.59
Exons	16524..16711, 16751..16803, 16914..17002, 17175..17342, 17962..18138		
Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67650	Strand	+
Start	20652	End	21162
Name	OJ990908_11.0114.C3.o6.gp	Method	AAT/GAP
Start	20652	End	21162
GI	2428303	Score	556
Exons	20652..20706, 20859..21162		
Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67651	Strand	-
Start	1	End	750
Name	OJ990908_11.0114.C3.o1.np	Method	AAT/NAP
Start	1	End	594
GI	6957718	Score	585
Exons	1..594		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		
Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67651	Strand	-
Start	1	End	750
Name	OJ990908_11.0114.C3.o2.gp	Method	AAT/GAP
Start	397	End	750
GI	68728_1.R1084	Score	687
Exons	397..750		
GI Descrip.	'984755/emb|Z54153|OSCHINDPR 3.0e-23 O.sativa mRNA for chilling-inducible protein'		
Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67652	Strand	-

Start	10653	End	11526
Name	OJ990908_11.0114.C3.o2.np	Method	AAT/NAP
Start	10653	End	11526
GI	6815099	Score	95
Exons	10653..10773, 11349..11526		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67653	Strand	-
Start	12349	End	12552
Name	OJ990908_11.0114.C3.o3.np	Method	AAT/NAP
Start	12349	End	12552
GI	131268	Score	196
Exons	12349..12552		
GI Descrip.	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi|72706|pir||QJZMBB photosystem II chlorophyll a-binding protein psbB - maize chloroplast gi|12435|emb|CAA28997| (X05422) psbB [Zea mays] gi|902247|emb|CAA60311| (X86563) PSII 47KDa protein [Zea mays]		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67654	Strand	-
Start	14556	End	17173
Name	OJ990908_11.0114.C3.o4.np	Method	AAT/NAP
Start	14556	End	16931
GI	2160182	Score	194
Exons	14556..14643, 15738..15861, 16517..16630, 16744..16931		
GI Descrip.	(AC000132) ESTs gb|ATTS1236,gb|T43334,gb|N97019,gb|AA395203 come from this gene. [Arabidopsis thaliana]		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67654	Strand	-
Start	14556	End	17173
Name	OJ990908_11.0114.C3.o3.gp	Method	AAT/GAP
Start	15767	End	17173
GI	none	Score	1116
Exons	15767..15856, 16520..16630, 16748..17173		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67655	Strand	-
Start	18036	End	19920
Name	OJ990908_11.0114.C3.o1.ts	Method	TBLASTX:Soybean
Start	160	End	601
GI	none	Score	57
Exons	160..225, 191..226, 223..600, 272..601		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67655	Strand	-
Start	18036	End	19920
Name	OJ990908_11.0114.C3.o1.tc	Method	TBLASTX:Cress
Start	223	End	601
GI	none	Score	311
Exons	223..600, 269..601		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67655	Strand	-
Start	18036	End	19920

Name	OJ990908_11.0114.C3.o2.tm	Method	TBLASTX:Maize
Start	268	End	580
GI	none	Score	286
Exons	268..579, 278..580, 461..580		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67655	Strand	-
Start	18036	End	19920
Name	OJ990908_11.0114.C3.o3.tm	Method	TBLASTX:Maize
Start	14531	End	16920
GI	none	Score	111
Exons	14531..14644, 14571..14645, 14575..14646, 15619..15852, 15728..15856, 15738..15857, 16747..16920, 16749..16781, 16824..16919		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67655	Strand	-
Start	18036	End	19920
Name	OJ990908_11.0114.C3.o4.gp	Method	AAT/GAP
Start	18036	End	19253
GI	3766571	Score	1025
Exons	18036..18395, 19076..19253		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67655	Strand	-
Start	18036	End	19920
Name	OJ990908_11.0114.C3.o1.tm	Method	TBLASTX:Maize
Start	19094	End	19920
GI	none	Score	113
Exons	19094..19180, 19107..19181, 19108..19182, 19156..19512, 19181..19540, 19182..19496, 19468..19647, 19474..19620, 19475..19663, 19706..19858, 19712..19915, 19713..19886, 19873..19920		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67655	Strand	-
Start	18036	End	19920
Name	OJ990908_11.0114.C3.o5.gs	Method	GENSCAN
Start	19109	End	19909
GI	none	Score	.76
Exons	19109..19909		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67655	Strand	-
Start	18036	End	19920
Name	OJ990908_11.0114.C3.o5.np	Method	AAT/NAP
Start	19153	End	19861
GI	2911071	Score	477
Exons	19153..19861		
GI Descrip.	(AL021960) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67655	Strand	-
Start	18036	End	19920
Name	OJ990908_11.0114.C3.o2.ts	Method	TBLASTX:Soybean
Start	19157	End	19467
GI	none	Score	277

Exons	19157..19465, 19158..19466, 19158..19466, 19291..19467		
Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67655	Strand	-
Start	18036	End	19920
Name	OJ990908_11.0114.C3.o5.gp	Method	AAT/GAP
Start	19288	End	19784
GI	18510_1.R1084	Score	953
Exons	19288..19784		
GI Descrip.	'2911071/emb|CAA17533.1| 3.0e-23 (AL021960) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	32617	Seq. ID	OJ990908_11.0114.C3
Gene No.	67655	Strand	-
Start	18036	End	19920
Name	OJ990908_11.0114.C3.o2.tc	Method	TBLASTX:Cress
Start	19322	End	19642
GI	none	Score	106
Exons	19322..19456, 19326..19457, 19508..19642		
Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o1.gp	Method	AAT/GAP
Start	1030	End	1584
GI	18962_1.R1084	Score	861
Exons	1030..1584		
GI Descrip.	'3746882 6.0e-23 (AF086708) 26S proteasome subunit 11 [Homo sapiens]'		
Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o1.ts	Method	TBLASTX:Soybean
Start	1376	End	4514
GI	none	Score	139
Exons	1376..1582, 1382..1588, 2318..2422, 2319..2423, 2515..2730, 2516..2734, 2526..2750, 2527..2751, 3428..3514, 3430..3471, 3447..3512, 3455..3517, 3622..4092, 3641..4135, 4371..4514		
Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o1.tm	Method	TBLASTX:Maize
Start	1390	End	4517
GI	none	Score	205
Exons	1390..1584, 1397..1588, 1401..1547, 2316..2417, 2318..2422, 2319..2426, 2505..2705, 2515..2730, 2516..2734, 3427..3471, 3428..3514, 3434..3508, 3622..4092, 3641..4135, 3644..4093, 3678..4103, 4371..4517, 4375..4422, 4479..4517		
Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o3.tc	Method	TBLASTX:Cress
Start	1395	End	1588
GI	none	Score	157

Exons	1395..1544, 1397..1558, 1397..1588		
Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o1.gs	Method	GENSCAN
Start	1397	End	4730
GI	none	Score	.93
Exons	1397..1582, 2321..2420, 2516..2712, 3433..3513, 3643..4089, 4371..4730		
Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o1.np	Method	AAT/NAP
Start	1403	End	4523
GI	6755210	Score	520
Exons	1403..1582, 2321..2420, 2516..2712, 3433..3513, 3643..4089, 4371..4523		
GI Descrip.	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13 gi|5453129|gb|AAD43443.1|AF107838_1 (AF107838) 26S proteasome subunit p40.5 [Mus musculus]		
Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o2.tw	Method	TBLASTX:Wheat
Start	1511	End	2653
GI	none	Score	69
Exons	1511..1582, 1511..1612, 1513..1584, 2316..2420, 2318..2422, 2319..2426, 2515..2652, 2516..2653		
Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o2.tc	Method	TBLASTX:Cress
Start	2318	End	2734
GI	none	Score	120
Exons	2318..2422, 2319..2426, 2515..2730, 2516..2734		
Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o2.gp	Method	AAT/GAP
Start	2319	End	2420
GI	18962_1.R1084	Score	198
Exons	2319..2420		
GI Descrip.	'3746882 6.0e-23 (AF086708) 26S proteasome subunit 11 [Homo sapiens]'		
Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o1.tw	Method	TBLASTX:Wheat
Start	2653	End	4033
GI	none	Score	98
Exons	2653..2730, 2654..2734, 3427..3471, 3428..3514, 3432..3509,		

3437..3517, 3622..3861, 3634..3828, 3641..3859, 3801..4019,
3862..4032, 3866..4033, 3866..4033

Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o1.tc	Method	TBLASTX:Cress
Start	3659	End	4514
GI	none	Score	333
Exons	3659..4138, 3661..4092, 4371..4514		

Seq. No.	32618	Seq. ID	OJ990908_11.0114.C5
Gene No.	67656	Strand	-
Start	1397	End	4730
Name	OJ990908_11.0114.C5.o3.gp	Method	AAT/GAP
Start	3866	End	4565
GI	LIB3434-065-P1-K1-B7	Score	747
Exons	3866..4089, 4371..4565		
GI Descrip.	'5106785/gb|AAD39843.1| 5.0e-12 (AF083245) HSPC027 [Homo sapiens]'		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67657	Strand	+
Start	892	End	1895
Name	OJ990908_11.0114.C6.o1.gs	Method	GENSCAN
Start	892	End	1895
GI	none	Score	.63
Exons	892..968, 1075..1300, 1363..1633, 1726..1895		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67658	Strand	+
Start	14297	End	18655
Name	OJ990908_11.0114.C6.o3.gs	Method	GENSCAN
Start	14297	End	18655
GI	none	Score	.69
Exons	14297..14425, 15583..15682, 17664..17688, 17714..17882, 18063..18235, 18525..18564, 18638..18655		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67659	Strand	+
Start	28940	End	38670
Name	OJ990908_11.0114.C6.o6.gs	Method	GENSCAN
Start	28940	End	38670
GI	none	Score	.49
Exons	28940..28986, 29257..29302, 29463..29623, 30083..30305, 32107..32189, 32279..32390, 32462..32566, 32681..32731, 34462..34525, 34960..35081, 35481..35570, 35854..35985, 36053..36136, 37689..37824, 38492..38670		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67659	Strand	+
Start	28940	End	38670
Name	OJ990908_11.0114.C6.o3.np	Method	AAT/NAP
Start	30100	End	37892
GI	4249662	Score	1274
Exons	30100..30227, 31243..31366, 32107..32189, 32279..32390, 32462..32566, 32681..32731, 35481..35570, 35654..35762,		

	35837..35985, 36083..36136, 37689..37892
GI Descrip.	(AF089810) Altered Response to Gravity [Arabidopsis thaliana] gi|6714354|gb|AAF26045.1|AC015986_8 (AC015986) ARG1 protein (Altered Response to Gravity) [Arabidopsis thaliana]

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67660	Strand	+
Start	39601	End	42438
Name	OJ990908_11.0114.C6.o7.gs	Method	GENSCAN
Start	39601	End	42438
GI	none	Score	1
Exons	39601..42438		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67660	Strand	+
Start	39601	End	42438
Name	OJ990908_11.0114.C6.o4.np	Method	AAT/NAP
Start	39619	End	41719
GI	2290770	Score	586
Exons	39619..41302, 41432..41522, 41559..41719		
GI Descrip.	(AF002163) delta-adaptin [Homo sapiens]		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67661	Strand	+
Start	63218	End	66136
Name	OJ990908_11.0114.C6.o9.gs	Method	GENSCAN
Start	63218	End	66136
GI	none	Score	.75
Exons	63218..63300, 63711..63758, 65521..66136		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67661	Strand	+
Start	63218	End	66136
Name	OJ990908_11.0114.C6.o5.np	Method	AAT/NAP
Start	65546	End	66133
GI	6581058	Score	538
Exons	65546..66133		
GI Descrip.	(AF192467) Sgt1 [Oryza sativa]		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67662	Strand	+
Start	69581	End	73323
Name	OJ990908_11.0114.C6.o6.np	Method	AAT/NAP
Start	69581	End	73323
GI	5091513	Score	1554
Exons	69581..70480, 71234..71888, 72745..72897, 73100..73323		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67663	Strand	-
Start	2184	End	13786
Name	OJ990908_11.0114.C6.o2.gs	Method	GENSCAN
Start	2184	End	13786
GI	none	Score	.68
Exons	2184..3097, 3142..3879, 4370..4684, 6757..6843, 9025..9108, 10244..10412, 10524..10641, 10962..11091, 11234..11329, 11511..11675, 12107..12244, 12879..13194, 13293..13669,		

13774..13786

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67663	Strand	-
Start	2184	End	13786
Name	OJ990908_11.0114.C6.o1.np	Method	AAT/NAP
Start	2566	End	5693
GI	6705984	Score	828
Exons	2566..3856, 5646..5693		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67664	Strand	-
Start	19403	End	21148
Name	OJ990908_11.0114.C6.o4.gs	Method	GENSCAN
Start	19403	End	21148
GI	none	Score	.68
Exons	19403..19535, 20761..20879, 20967..21086, 21092..21148		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o6.ts	Method	TBLASTX:Soybean
Start	2904	End	3108
GI	none	Score	71
Exons	2904..3107, 3010..3108		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o8.tm	Method	TBLASTX:Maize
Start	2904	End	3108
GI	none	Score	87
Exons	2904..3107, 2907..3107, 3010..3108		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o1.tw	Method	TBLASTX:Wheat
Start	2905	End	3373
GI	none	Score	103
Exons	2905..3087, 2916..3086, 2945..3088, 3104..3373, 3105..3326		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o3.tm	Method	TBLASTX:Maize
Start	10488	End	12153
GI	none	Score	181
Exons	10488..10649, 10488..10643, 10962..11096, 10964..11092, 11225..11413, 11226..11414, 11233..11412, 11560..11676, 11560..11676, 11561..11677, 11567..11680, 11568..11681, 11740..11865, 11745..11867, 11750..11863, 11971..12063, 11975..12064, 11982..12125, 11982..12146, 11983..12153		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-

Start	75062	End	75999
Name	OJ990908_11.0114.C6.o2.tc	Method	TBLASTX:Cress
Start	10491	End	11414
GI	none	Score	131
Exons	10491..10643, 10492..10647, 10962..11096, 10964..11092, 11206..11412, 11226..11414, 11230..11412		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o4.ts	Method	TBLASTX:Soybean
Start	10491	End	11607
GI	none	Score	120
Exons	10491..10643, 10492..10647, 10962..11072, 10964..11071, 11226..11270, 11233..11268, 11269..11412, 11269..11412, 11280..11414, 11560..11607		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o1.ts	Method	TBLASTX:Soybean
Start	11989	End	13195
GI	none	Score	98
Exons	11989..12087, 11991..12065, 12096..12245, 12097..12246, 12120..12245, 12880..13188, 12884..13195		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o3.tc	Method	TBLASTX:Cress
Start	12892	End	13194
GI	none	Score	78
Exons	12892..13017, 12892..13086, 12971..13105, 13054..13194, 13064..13177		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o1.tc	Method	TBLASTX:Cress
Start	30103	End	37886
GI	none	Score	162
Exons	30103..30231, 30111..30227, 31240..31374, 31241..31372, 32092..32187, 32106..32195, 32107..32187, 32273..32392, 32274..32393, 32274..32393, 32458..32565, 32462..32569, 32680..32736, 32681..32731, 35474..35569, 35474..35569, 35478..35573, 35478..35570, 35479..35577, 35652..35753, 35653..35763, 35654..35764, 35655..35765, 35836..35985, 35836..35985, 36080..36139, 36082..36138, 37689..37787, 37839..37886		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o5.ts	Method	TBLASTX:Soybean
Start	30112	End	32357
GI	none	Score	174
Exons	30112..30231, 30114..30227, 31240..31365, 31241..31372,		

31242..31367, 32106..32195, 32107..32187, 32124..32195,
32273..32356, 32274..32357, 32274..32357

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o1.tm	Method	TBLASTX:Maize
Start	30120	End	35985
GI	none	Score	176
Exons	30120..30227, 30121..30231, 31237..31374, 31241..31372, 32084..32185, 32087..32188, 32100..32186, 32106..32195, 32110..32187, 32269..32331, 32274..32393, 32276..32392, 32458..32568, 32462..32569, 32681..32731, 32689..32736, 35430..35579, 35460..35579, 35653..35763, 35654..35764, 35823..35873, 35824..35985, 35837..35878, 35874..35984, 35878..35985		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o9.tm	Method	TBLASTX:Maize
Start	34850	End	46818
GI	none	Score	71
Exons	34850..34894, 34884..35048, 35143..35211, 46705..46818		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o3.ts	Method	TBLASTX:Soybean
Start	35462	End	35764
GI	none	Score	128
Exons	35462..35566, 35469..35591, 35478..35573, 35654..35764, 35656..35763		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o5.tm	Method	TBLASTX:Maize
Start	36080	End	38008
GI	none	Score	87
Exons	36080..36136, 36082..36135, 37691..37765, 37692..37781, 37692..37781, 37693..37782, 37795..37911, 37796..37930, 37797..37922, 37851..37946, 37908..37997, 37915..37998, 37919..38008		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o7.tm	Method	TBLASTX:Maize
Start	40176	End	40485
GI	none	Score	64
Exons	40176..40289, 40304..40453, 40305..40484, 40306..40482, 40333..40485, 40344..40484		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999

Name	OJ990908_11.0114.C6.o4.tm	Method	TBLASTX:Maize
Start	40722	End	41014
GI	none	Score	395
Exons	40722..41003, 40723..41004, 40723..41004, 40745..41008, 40784..41014		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o7.ts	Method	TBLASTX:Soybean
Start	40875	End	41106
GI	none	Score	207
Exons	40875..41102, 40876..41103, 40876..41106		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o6.tm	Method	TBLASTX:Maize
Start	41857	End	42149
GI	none	Score	284
Exons	41857..42147, 41857..42147, 41940..42149		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o2.tm	Method	TBLASTX:Maize
Start	65553	End	66132
GI	none	Score	223
Exons	65553..65714, 65555..65716, 65729..65803, 65767..65817, 65801..65839, 65879..65905, 65963..66043, 66047..66130, 66055..66132		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o2.ts	Method	TBLASTX:Soybean
Start	65553	End	65836
GI	none	Score	177
Exons	65553..65714, 65555..65578, 65642..65725, 65729..65800, 65801..65836		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o4.tc	Method	TBLASTX:Cress
Start	65559	End	65815
GI	none	Score	175
Exons	65559..65714, 65645..65725, 65729..65815		

Seq. No.	32619	Seq. ID	OJ990908_11.0114.C6
Gene No.	67665	Strand	-
Start	75062	End	75999
Name	OJ990908_11.0114.C6.o11.gs	Method	GENSCAN
Start	75062	End	75999
GI	none	Score	.45
Exons	75062..75210, 75234..75309, 75909..75999		

Seq. No.	32620	Seq. ID	OJ990908_11.0114.C8
Gene No.	67666	Strand	+
Start	32	End	71
Name	OJ990908_11.0114.C8.o1.gs	Method	GENSCAN
Start	32	End	71
GI	none	Score	.97
Exons	32..71		

Seq. No.	32621	Seq. ID	OJ990518_05.0128.C1
Gene No.	67667	Strand	-
Start	1	End	649
Name	OJ990518_05.0128.C1.o1.np	Method	AAT/NAP
Start	1	End	649
GI	6587857	Score	221
Exons	1..228, 318..649		
GI Descrip.	(AC012680) putative Mutator-like transposase [Arabidopsis thaliana]		

Seq. No.	32622	Seq. ID	OJ990518_05.0128.C2
Gene No.	67668	Strand	+
Start	97	End	191
Name	OJ990518_05.0128.C2.o1.gs	Method	GENSCAN
Start	97	End	191
GI	none	Score	.45
Exons	97..191		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67669	Strand	+
Start	13398	End	14168
Name	OJ990518_05.0128.C5.o1.np	Method	AAT/NAP
Start	13398	End	14168
GI	4680183	Score	166
Exons	13398..13466, 14076..14168		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67670	Strand	+
Start	14848	End	15317
Name	OJ990518_05.0128.C5.o3.gs	Method	GENSCAN
Start	14848	End	15174
GI	none	Score	1
Exons	14848..15174		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67670	Strand	+
Start	14848	End	15317
Name	OJ990518_05.0128.C5.o2.np	Method	AAT/NAP
Start	14861	End	15317
GI	6721560	Score	272
Exons	14861..14980, 15018..15317		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67671	Strand	+
Start	15371	End	22274

Name	OJ990518_05.0128.C5.o4.gs	Method	GENSCAN
Start	15371	End	20547
GI	none	Score	.46
Exons	15371..15706, 16280..16462, 17207..17874, 19303..19385, 19713..19968, 20013..20547		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67671	Strand	+
Start	15371	End	22274
Name	OJ990518_05.0128.C5.o3.np	Method	AAT/NAP
Start	15461	End	16082
GI	6721559	Score	273
Exons	15461..15920, 15947..16082		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67671	Strand	+
Start	15371	End	22274
Name	OJ990518_05.0128.C5.o1.gp	Method	AAT/GAP
Start	17878	End	18134
GI	61605_3.R1084	Score	418
Exons	17878..18134		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67671	Strand	+
Start	15371	End	22274
Name	OJ990518_05.0128.C5.o4.np	Method	AAT/NAP
Start	18751	End	21706
GI	5852179	Score	506
Exons	18751..18771, 19759..19961, 20036..20271, 21638..21706		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67671	Strand	+
Start	15371	End	22274
Name	OJ990518_05.0128.C5.o5.gs	Method	GENSCAN
Start	21303	End	22274
GI	none	Score	.63
Exons	21303..21423, 21501..21673, 21726..22274		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67672	Strand	+
Start	22692	End	28365
Name	OJ990518_05.0128.C5.o5.np	Method	AAT/NAP
Start	22523	End	27374
GI	4206306	Score	942
Exons	22523..22544, 24696..27374		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67672	Strand	+
Start	22692	End	28365
Name	OJ990518_05.0128.C5.o6.gs	Method	GENSCAN

Start	22692	End	27560
GI	none	Score	.66
Exons	22692..23399, 23603..23838, 24043..24318, 24434..24534, 24628..25162, 25293..25326, 25581..25726, 25924..26142, 26191..26513, 26545..27348, 27496..27560		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67672	Strand	+
Start	22692	End	28365
Name	OJ990518_05.0128.C5.o7.np	Method	AAT/NAP
Start	25674	End	28365
GI	629693	Score	512
Exons	25674..25742, 26330..27377, 28321..28365		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67673	Strand	-
Start	7	End	3406
Name	OJ990518_05.0128.C5.o1.gs	Method	GENSCAN
Start	7	End	3406
GI	none	Score	.56
Exons	7..307, 641..803, 2131..2284, 2811..2953, 3058..3406		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67674	Strand	-
Start	28001	End	28348
Name	OJ990518_05.0128.C5.o3.tw	Method	TBLASTX:Wheat
Start	24690	End	24866
GI	none	Score	203
Exons	24690..24866, 24690..24848, 24725..24865		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67674	Strand	-
Start	28001	End	28348
Name	OJ990518_05.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	24762	End	25223
GI	none	Score	546
Exons	24762..25223, 24767..24850, 24911..25222		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67674	Strand	-
Start	28001	End	28348
Name	OJ990518_05.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	24867	End	25289
GI	none	Score	245
Exons	24867..25229, 24911..25225, 25191..25289		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67674	Strand	-
Start	28001	End	28348
Name	OJ990518_05.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	24909	End	25349
GI	none	Score	217
Exons	24909..25190, 24947..25195, 25191..25349, 25235..25348		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5

Gene No.	67674	Strand	-
Start	28001	End	28348
Name	OJ990518_05.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	25530	End	25941
GI	none	Score	130
Exons	25530..25667, 25532..25663, 25699..25941, 25700..25939		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67674	Strand	-
Start	28001	End	28348
Name	OJ990518_05.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	26228	End	26560
GI	none	Score	188
Exons	26228..26560		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67674	Strand	-
Start	28001	End	28348
Name	OJ990518_05.0128.C5.o2.tw	Method	TBLASTX:Wheat
Start	26952	End	27359
GI	none	Score	215
Exons	26952..27359, 26960..27325		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67674	Strand	-
Start	28001	End	28348
Name	OJ990518_05.0128.C5.o3.ts	Method	TBLASTX:Soybean
Start	27135	End	27374
GI	none	Score	235
Exons	27135..27374, 27137..27274		

Seq. No.	32623	Seq. ID	OJ990518_05.0128.C5
Gene No.	67674	Strand	-
Start	28001	End	28348
Name	OJ990518_05.0128.C5.o7.gs	Method	GENSCAN
Start	28001	End	28348
GI	none	Score	.7
Exons	28001..28348		

Seq. No.	32624	Seq. ID	OJ990518_05.0128.C6
Gene No.	67675	Strand	+
Start	1	End	402
Name	OJ990518_05.0128.C6.o1.np	Method	AAT/NAP
Start	1	End	402
GI	4544372	Score	153
Exons	1..402		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32624	Seq. ID	OJ990518_05.0128.C6
Gene No.	67676	Strand	+
Start	5733	End	6114
Name	OJ990518_05.0128.C6.o1.gp	Method	AAT/GAP
Start	5733	End	6114
GI	uC-osflcyp033a04b1	Score	667
Exons	5733..6114		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	32624	Seq. ID	OJ990518_05.0128.C6
Gene No.	67677	Strand	-
Start	1	End	6343
Name	OJ990518_05.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	1	End	387
GI	none	Score	184
Exons	1..387		

Seq. No.	32624	Seq. ID	OJ990518_05.0128.C6
Gene No.	67677	Strand	-
Start	1	End	6343
Name	OJ990518_05.0128.C6.o2.np	Method	AAT/NAP
Start	1	End	6343
GI	5852180	Score	452
Exons	1..50, 4367..4813, 4865..4983, 5963..6018, 6278..6343		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32624	Seq. ID	OJ990518_05.0128.C6
Gene No.	67677	Strand	-
Start	1	End	6343
Name	OJ990518_05.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	163	End	413
GI	none	Score	217
Exons	163..402, 165..335, 372..413		

Seq. No.	32624	Seq. ID	OJ990518_05.0128.C6
Gene No.	67677	Strand	-
Start	1	End	6343
Name	OJ990518_05.0128.C6.o1.gs	Method	GENSCAN
Start	905	End	4724
GI	none	Score	.45
Exons	905..1447, 1526..1606, 1919..2123, 2432..2659, 2731..2989, 3325..3528, 4071..4261, 4393..4724		

Seq. No.	32625	Seq. ID	OJ990518_05.0128.C7
Gene No.	67678	Strand	+
Start	278	End	659
Name	OJ990518_05.0128.C7.o1.gp	Method	AAT/GAP
Start	278	End	659
GI	uC-osflcyp033a04b1	Score	659
Exons	278..659		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32625	Seq. ID	OJ990518_05.0128.C7
Gene No.	67679	Strand	+
Start	8550	End	8799
Name	OJ990518_05.0128.C7.o4.gp	Method	AAT/GAP
Start	8550	End	8799
GI	101153_1.R1084	Score	328
Exons	8550..8799		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32625	Seq. ID	OJ990518_05.0128.C7

Gene No.	67680	Strand	-
Start	211	End	5220
Name	OJ990518_05.0128.C7.o1.np	Method	AAT/NAP
Start	211	End	5220
GI	4680186	Score	372
Exons	211..411, 1249..1310, 5187..5220		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32625	Seq. ID	OJ990518_05.0128.C7
Gene No.	67680	Strand	-
Start	211	End	5220
Name	OJ990518_05.0128.C7.o1.gs	Method	GENSCAN
Start	1081	End	2419
GI	none	Score	.45
Exons	1081..1300, 1326..1489, 1586..1702, 2339..2419		

Seq. No.	32625	Seq. ID	OJ990518_05.0128.C7
Gene No.	67681	Strand	-
Start	5683	End	6701
Name	OJ990518_05.0128.C7.o2.np	Method	AAT/NAP
Start	5683	End	6701
GI	4680179	Score	696
Exons	5683..6701		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32625	Seq. ID	OJ990518_05.0128.C7
Gene No.	67682	Strand	-
Start	7939	End	13630
Name	OJ990518_05.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	6229	End	6585
GI	none	Score	49
Exons	6229..6585, 6293..6370, 6407..6577		

Seq. No.	32625	Seq. ID	OJ990518_05.0128.C7
Gene No.	67682	Strand	-
Start	7939	End	13630
Name	OJ990518_05.0128.C7.o3.np	Method	AAT/NAP
Start	7939	End	13630
GI	6063554	Score	225
Exons	7939..8111, 8750..8780, 9403..9486, 10628..10764, 10886..11162, 13578..13630		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32625	Seq. ID	OJ990518_05.0128.C7
Gene No.	67682	Strand	-
Start	7939	End	13630
Name	OJ990518_05.0128.C7.o4.np	Method	AAT/NAP
Start	9450	End	12599
GI	6063554	Score	105
Exons	9450..9500, 9621..9654, 10633..10764, 10886..11161, 12534..12599		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32626	Seq. ID	OJ990518_05.0128.C9

Gene No.	67683	Strand	+
Start	353	End	1120
Name	OJ990518_05.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	230	End	565
GI	none	Score	217
Exons	230..565		

Seq. No.	32626	Seq. ID	OJ990518_05.0128.C9
Gene No.	67683	Strand	+
Start	353	End	1120
Name	OJ990518_05.0128.C9.o1.gs	Method	GENSCAN
Start	353	End	1120
GI	none	Score	.62
Exons	353..1120		

Seq. No.	32626	Seq. ID	OJ990518_05.0128.C9
Gene No.	67683	Strand	+
Start	353	End	1120
Name	OJ990518_05.0128.C9.o2.ts	Method	TBLASTX:Soybean
Start	569	End	919
GI	none	Score	179
Exons	569..919		

Seq. No.	32627	Seq. ID	OJ990518_05.0128.C10
Gene No.	67684	Strand	+
Start	4745	End	6483
Name	OJ990518_05.0128.C10.o2.gs	Method	GENSCAN
Start	4745	End	6483
GI	none	Score	.89
Exons	4745..4796, 6080..6483		

Seq. No.	32627	Seq. ID	OJ990518_05.0128.C10
Gene No.	67685	Strand	-
Start	7273	End	16356
Name	OJ990518_05.0128.C10.o3.gs	Method	GENSCAN
Start	7273	End	16356
GI	none	Score	.85
Exons	7273..7508, 8792..8872, 11667..11708, 12038..14659, 14739..14877, 15274..15333, 16244..16356		

Seq. No.	32627	Seq. ID	OJ990518_05.0128.C10
Gene No.	67685	Strand	-
Start	7273	End	16356
Name	OJ990518_05.0128.C10.o2.np	Method	AAT/NAP
Start	12084	End	14831
GI	4519936	Score	1127
Exons	12084..14831		
GI Descrip.	(AB019186) RPR1 [Oryza sativa]		

Seq. No.	32627	Seq. ID	OJ990518_05.0128.C10
Gene No.	67685	Strand	-
Start	7273	End	16356
Name	OJ990518_05.0128.C10.o1.tm	Method	TBLASTX:Maize
Start	12135	End	13046
GI	none	Score	261
Exons	12135..12563, 12573..13046		

Seq. No.	32627	Seq. ID	OJ990518_05.0128.C10
Gene No.	67685	Strand	-
Start	7273	End	16356
Name	OJ990518_05.0128.C10.o2.tw	Method	TBLASTX:Wheat
Start	12849	End	13259
GI	none	Score	42
Exons	12849..13166, 13173..13259		

Seq. No.	32627	Seq. ID	OJ990518_05.0128.C10
Gene No.	67685	Strand	-
Start	7273	End	16356
Name	OJ990518_05.0128.C10.o1.ts	Method	TBLASTX:Soybean
Start	13206	End	14012
GI	none	Score	156
Exons	13206..13274, 13272..13424, 13404..13586, 13647..13778, 13782..14012		

Seq. No.	32627	Seq. ID	OJ990518_05.0128.C10
Gene No.	67685	Strand	-
Start	7273	End	16356
Name	OJ990518_05.0128.C10.o2.tm	Method	TBLASTX:Maize
Start	13209	End	13542
GI	none	Score	92
Exons	13209..13541, 13221..13457, 13300..13542		

Seq. No.	32627	Seq. ID	OJ990518_05.0128.C10
Gene No.	67685	Strand	-
Start	7273	End	16356
Name	OJ990518_05.0128.C10.o1.tw	Method	TBLASTX:Wheat
Start	13461	End	13772
GI	none	Score	56
Exons	13461..13610, 13477..13569, 13614..13772, 13648..13770		

Seq. No.	32628	Seq. ID	OJ990518_05.0128.C11
Gene No.	67686	Strand	+
Start	323	End	1044
Name	OJ990518_05.0128.C11.o1.gs	Method	GENSCAN
Start	323	End	1044
GI	none	Score	.4
Exons	323..452, 526..620, 785..958, 988..1044		

Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o2.np	Method	AAT/NAP
Start	1748	End	8267
GI	4680179	Score	3219
Exons	1748..2641, 3342..3404, 6106..6246, 6280..8267		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o6.tw	Method	TBLASTX:Wheat
Start	1997	End	2197
GI	none	Score	203
Exons	1997..2194, 1999..2196, 2105..2197		

Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o4.tw	Method	TBLASTX:Wheat
Start	2230	End	2581
GI	none	Score	293
Exons	2230..2424, 2231..2581		

Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o4.tm	Method	TBLASTX:Maize
Start	2231	End	2536
GI	none	Score	226
Exons	2231..2536, 2245..2337		

Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o1.gp	Method	AAT/GAP
Start	5823	End	6095
GI	61605_1.R1084	Score	466
Exons	5823..6095		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o5.tw	Method	TBLASTX:Wheat
Start	6307	End	6674
GI	none	Score	155
Exons	6307..6516, 6363..6515, 6561..6632, 6562..6624, 6624..6674		

Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o2.tw	Method	TBLASTX:Wheat
Start	6839	End	7325
GI	none	Score	452
Exons	6839..7282, 6948..7325		

Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o3.tm	Method	TBLASTX:Maize
Start	6860	End	7144
GI	none	Score	274
Exons	6860..7144, 6861..7142		

Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o2.tm	Method	TBLASTX:Maize
Start	7212	End	7712
GI	none	Score	171

Exons	7212..7391, 7220..7339, 7398..7712, 7538..7591, 7619..7669		
Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o1.ts	Method	TBLASTX:Soybean
Start	7266	End	7662
GI	none	Score	57
Exons	7266..7298, 7268..7297, 7302..7658, 7302..7442, 7385..7651, 7528..7662		
Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o3.tw	Method	TBLASTX:Wheat
Start	7374	End	7676
GI	none	Score	356
Exons	7374..7676, 7385..7651		
Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o1.tw	Method	TBLASTX:Wheat
Start	7677	End	8180
GI	none	Score	595
Exons	7677..8180, 7709..8098, 7740..8102		
Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o2.ts	Method	TBLASTX:Soybean
Start	7683	End	7928
GI	none	Score	188
Exons	7683..7928, 7700..7828		
Seq. No.	32629	Seq. ID	OJ990518_05.0128.C12
Gene No.	67687	Strand	+
Start	1748	End	8267
Name	OJ990518_05.0128.C12.o1.tm	Method	TBLASTX:Maize
Start	7748	End	8123
GI	none	Score	464
Exons	7748..8098, 7749..8102, 7749..8123		
Seq. No.	32630	Seq. ID	OJ990518_05.0128.C13
Gene No.	67688	Strand	+
Start	1	End	1597
Name	OJ990518_05.0128.C13.o1.np	Method	AAT/NAP
Start	1	End	1594
GI	4680179	Score	2199
Exons	1..1594		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	32630	Seq. ID	OJ990518_05.0128.C13
Gene No.	67688	Strand	+
Start	1	End	1597
Name	OJ990518_05.0128.C13.o2.tw	Method	TBLASTX:Wheat
Start	5	End	583

GI	none	Score	657
Exons	5..583, 16..582		

Seq. No.	32630	Seq. ID	OJ990518_05.0128.C13
Gene No.	67688	Strand	+
Start	1	End	1597
Name	OJ990518_05.0128.C13.o1.gs	Method	GENSCAN
Start	71	End	1597
GI	none	Score	.95
Exons	71..1597		

Seq. No.	32630	Seq. ID	OJ990518_05.0128.C13
Gene No.	67688	Strand	+
Start	1	End	1597
Name	OJ990518_05.0128.C13.o1.tc	Method	TBLASTX:Cress
Start	290	End	607
GI	none	Score	101
Exons	290..463, 464..607, 466..606		

Seq. No.	32630	Seq. ID	OJ990518_05.0128.C13
Gene No.	67688	Strand	+
Start	1	End	1597
Name	OJ990518_05.0128.C13.o1.ts	Method	TBLASTX:Soybean
Start	371	End	632
GI	none	Score	296
Exons	371..631, 376..630, 495..632		

Seq. No.	32630	Seq. ID	OJ990518_05.0128.C13
Gene No.	67688	Strand	+
Start	1	End	1597
Name	OJ990518_05.0128.C13.o2.tm	Method	TBLASTX:Maize
Start	429	End	721
GI	none	Score	87
Exons	429..605, 430..717, 431..721		

Seq. No.	32630	Seq. ID	OJ990518_05.0128.C13
Gene No.	67688	Strand	+
Start	1	End	1597
Name	OJ990518_05.0128.C13.o1.tw	Method	TBLASTX:Wheat
Start	590	End	1216
GI	none	Score	695
Exons	590..1216, 646..1104, 962..1213, 1156..1215		

Seq. No.	32630	Seq. ID	OJ990518_05.0128.C13
Gene No.	67688	Strand	+
Start	1	End	1597
Name	OJ990518_05.0128.C13.o1.tm	Method	TBLASTX:Maize
Start	770	End	1369
GI	none	Score	231
Exons	770..931, 778..924, 929..1369, 931..1353		

Seq. No.	32630	Seq. ID	OJ990518_05.0128.C13
Gene No.	67688	Strand	+
Start	1	End	1597
Name	OJ990518_05.0128.C13.o3.tw	Method	TBLASTX:Wheat
Start	1216	End	1549
GI	none	Score	316

Exons	1216..1485, 1217..1549		
Seq. No.	32631	Seq. ID	OJ990518_05.0128.C14
Gene No.	67689	Strand	+
Start	415	End	496
Name	OJ990518_05.0128.C14.o1.gs	Method	GENSCAN
Start	415	End	496
GI	none	Score	.72
Exons	415..496		
Seq. No.	32631	Seq. ID	OJ990518_05.0128.C14
Gene No.	67690	Strand	-
Start	225	End	398
Name	OJ990518_05.0128.C14.o1.np	Method	AAT/NAP
Start	225	End	398
GI	6063554	Score	126
Exons	225..398		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	32632	Seq. ID	OJ990518_05.0128.C15
Gene No.	67691	Strand	+
Start	433	End	528
Name	OJ990518_05.0128.C15.o1.gs	Method	GENSCAN
Start	433	End	528
GI	none	Score	.54
Exons	433..528		
Seq. No.	32633	Seq. ID	OJ990518_05.0128.C18
Gene No.	67692	Strand	+
Start	501	End	1496
Name	OJ990518_05.0128.C18.o1.gs	Method	GENSCAN
Start	501	End	1496
GI	none	Score	.59
Exons	501..581, 718..1215, 1341..1496		
Seq. No.	32634	Seq. ID	OJ990518_05.0128.C19
Gene No.	67693	Strand	-
Start	242	End	400
Name	OJ990518_05.0128.C19.o1.gs	Method	GENSCAN
Start	242	End	400
GI	none	Score	.4
Exons	242..400		
Seq. No.	32635	Seq. ID	OJ990518_05.0128.C20
Gene No.	67694	Strand	+
Start	618	End	830
Name	OJ990518_05.0128.C20.o1.gs	Method	GENSCAN
Start	618	End	830
GI	none	Score	.59
Exons	618..830		
Seq. No.	32636	Seq. ID	OJ990518_05.0128.C21
Gene No.	67695	Strand	+
Start	4938	End	7032
Name	OJ990518_05.0128.C21.o2.gs	Method	GENSCAN

Start	4938	End	7032
GI	none	Score	.52
Exons	4938..5776, 5820..5977, 6161..7032		

Seq. No.	32636	Seq. ID	OJ990518_05.0128.C21
Gene No.	67696	Strand	-
Start	1847	End	4622
Name	OJ990518_05.0128.C21.o1.np	Method	AAT/NAP
Start	1847	End	4622
GI	6907090	Score	74
Exons	1847..1888, 2904..3296, 4569..4622		
GI Descrip.	(AP001129) Similar to Oryza sativa root-specific RCc3 mRNA. (L27208)		

Seq. No.	32637	Seq. ID	OJ990518_05.0128.C29
Gene No.	67697	Strand	+
Start	323	End	555
Name	OJ990518_05.0128.C29.o1.gs	Method	GENSCAN
Start	323	End	555
GI	none	Score	.6
Exons	323..555		

Seq. No.	32637	Seq. ID	OJ990518_05.0128.C29
Gene No.	67698	Strand	-
Start	1	End	1443
Name	OJ990518_05.0128.C29.o1.np	Method	AAT/NAP
Start	1	End	1443
GI	4263831	Score	435
Exons	1..39, 714..1443		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32637	Seq. ID	OJ990518_05.0128.C29
Gene No.	67698	Strand	-
Start	1	End	1443
Name	OJ990518_05.0128.C29.o3.tm	Method	TBLASTX:Maize
Start	10	End	390
GI	none	Score	78
Exons	10..234, 232..390		

Seq. No.	32637	Seq. ID	OJ990518_05.0128.C29
Gene No.	67698	Strand	-
Start	1	End	1443
Name	OJ990518_05.0128.C29.o1.ts	Method	TBLASTX:Soybean
Start	79	End	387
GI	none	Score	88
Exons	79..387, 167..283		

Seq. No.	32637	Seq. ID	OJ990518_05.0128.C29
Gene No.	67698	Strand	-
Start	1	End	1443
Name	OJ990518_05.0128.C29.o2.tw	Method	TBLASTX:Wheat
Start	115	End	408
GI	none	Score	131
Exons	115..219, 244..408		

Seq. No.	32637	Seq. ID	OJ990518_05.0128.C29

Gene No.	67698	Strand	-
Start	1	End	1443
Name	OJ990518_05.0128.C29.o1.tm	Method	TBLASTX:Maize
Start	765	End	1228
GI	none	Score	132
Exons	765..1025, 768..1040, 769..1038, 1040..1228, 1052..1228		

Seq. No.	32637	Seq. ID	OJ990518_05.0128.C29
Gene No.	67698	Strand	-
Start	1	End	1443
Name	OJ990518_05.0128.C29.o3.tw	Method	TBLASTX:Wheat
Start	774	End	1031
GI	none	Score	89
Exons	774..1031, 814..1020		

Seq. No.	32637	Seq. ID	OJ990518_05.0128.C29
Gene No.	67698	Strand	-
Start	1	End	1443
Name	OJ990518_05.0128.C29.o2.ts	Method	TBLASTX:Soybean
Start	921	End	1153
GI	none	Score	82
Exons	921..1040, 922..1041, 1040..1153		

Seq. No.	32637	Seq. ID	OJ990518_05.0128.C29
Gene No.	67698	Strand	-
Start	1	End	1443
Name	OJ990518_05.0128.C29.o2.gs	Method	GENSCAN
Start	1028	End	1375
GI	none	Score	.89
Exons	1028..1375		

Seq. No.	32637	Seq. ID	OJ990518_05.0128.C29
Gene No.	67698	Strand	-
Start	1	End	1443
Name	OJ990518_05.0128.C29.o1.tw	Method	TBLASTX:Wheat
Start	1097	End	1442
GI	none	Score	258
Exons	1097..1441, 1097..1441, 1140..1442		

Seq. No.	32637	Seq. ID	OJ990518_05.0128.C29
Gene No.	67698	Strand	-
Start	1	End	1443
Name	OJ990518_05.0128.C29.o2.tm	Method	TBLASTX:Maize
Start	1229	End	1442
GI	none	Score	185
Exons	1229..1441, 1230..1442, 1245..1442		

Seq. No.	32638	Seq. ID	OJ990518_05.0128.C30
Gene No.	67699	Strand	-
Start	235	End	517
Name	OJ990518_05.0128.C30.o1.ts	Method	TBLASTX:Soybean
Start	179	End	517
GI	none	Score	195
Exons	179..517		

Seq. No.	32638	Seq. ID	OJ990518_05.0128.C30
Gene No.	67699	Strand	-

Start	235	End	517
Name	OJ990518_05.0128.C30.o1.gs	Method	GENSCAN
Start	235	End	370
GI	none	Score	.75
Exons	235..370		

Seq. No.	32639	Seq. ID	OJ990518_05.0128.C32
Gene No.	67700	Strand	-
Start	74	End	163
Name	OJ990518_05.0128.C32.o1.gs	Method	GENSCAN
Start	74	End	163
GI	none	Score	.66
Exons	74..163		

Seq. No.	32640	Seq. ID	OJ990618_05.0120.C1
Gene No.	67701	Strand	-
Start	1	End	652
Name	OJ990618_05.0120.C1.o1.np	Method	AAT/NAP
Start	1	End	652
GI	4680179	Score	585
Exons	1..652		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32640	Seq. ID	OJ990618_05.0120.C1
Gene No.	67701	Strand	-
Start	1	End	652
Name	OJ990618_05.0120.C1.o1.gs	Method	GENSCAN
Start	11	End	480
GI	none	Score	.93
Exons	11..201, 234..480		

Seq. No.	32640	Seq. ID	OJ990618_05.0120.C1
Gene No.	67701	Strand	-
Start	1	End	652
Name	OJ990618_05.0120.C1.o1.tw	Method	TBLASTX:Wheat
Start	241	End	602
GI	none	Score	60
Exons	241..384, 242..385, 398..601, 399..602		

Seq. No.	32641	Seq. ID	OJ990618_05.0120.C3
Gene No.	67702	Strand	+
Start	2167	End	2268
Name	OJ990618_05.0120.C3.o1.np	Method	AAT/NAP
Start	2167	End	2268
GI	5777617	Score	74
Exons	2167..2268		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	32641	Seq. ID	OJ990618_05.0120.C3
Gene No.	67703	Strand	-
Start	130	End	675
Name	OJ990618_05.0120.C3.o1.gp	Method	AAT/GAP
Start	130	End	589
GI	2442321	Score	896
Exons	130..589		

Seq. No.	32641	Seq. ID	OJ990618_05.0120.C3

Gene No.	67703	Strand	-
Start	130	End	675
Name	OJ990618_05.0120.C3.o1.gs	Method	GENSCAN
Start	289	End	675
GI	none	Score	.97
Exons	289..675		

Seq. No.	32641	Seq. ID	OJ990618_05.0120.C3
Gene No.	67704	Strand	-
Start	1155	End	1640
Name	OJ990618_05.0120.C3.o2.gs	Method	GENSCAN
Start	1155	End	1640
GI	none	Score	.84
Exons	1155..1640		

Seq. No.	32642	Seq. ID	OJ990618_05.0120.C5
Gene No.	67705	Strand	+
Start	1	End	433
Name	OJ990618_05.0120.C5.o1.np	Method	AAT/NAP
Start	1	End	433
GI	4680179	Score	379
Exons	1..433		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32642	Seq. ID	OJ990618_05.0120.C5
Gene No.	67705	Strand	+
Start	1	End	433
Name	OJ990618_05.0120.C5.o1.tw	Method	TBLASTX:Wheat
Start	186	End	431
GI	none	Score	289
Exons	186..431, 191..421, 195..431		

Seq. No.	32642	Seq. ID	OJ990618_05.0120.C5
Gene No.	67705	Strand	+
Start	1	End	433
Name	OJ990618_05.0120.C5.o1.tm	Method	TBLASTX:Maize
Start	203	End	431
GI	none	Score	207
Exons	203..358, 204..365, 362..430, 363..431		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67706	Strand	+
Start	1	End	2136
Name	OJ990618_05.0120.C6.o1.np	Method	AAT/NAP
Start	1	End	2136
GI	4680179	Score	2764
Exons	1..2136		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67707	Strand	+
Start	2903	End	4465
Name	OJ990618_05.0120.C6.o2.np	Method	AAT/NAP
Start	2903	End	4465
GI	6063554	Score	164
Exons	2903..3125, 3165..3189, 4292..4465		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67708	Strand	-
Start	2376	End	4210
Name	OJ990618_05.0120.C6.o2.gs	Method	GENSCAN
Start	2376	End	4210
GI	none	Score	.82
Exons	2376..2811, 2842..3411, 4197..4210		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o5.tw	Method	TBLASTX:Wheat
Start	239	End	6667
GI	none	Score	98
Exons	239..307, 240..308, 247..330, 308..544, 309..551, 309..551, 6431..6667, 6432..6656, 6434..6667		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o2.tm	Method	TBLASTX:Maize
Start	240	End	6881
GI	none	Score	88
Exons	240..308, 242..310, 306..437, 308..424, 6455..6880, 6468..6734, 6777..6881		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o3.ts	Method	TBLASTX:Soybean
Start	300	End	6760
GI	none	Score	87
Exons	300..380, 6515..6760		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o2.tw	Method	TBLASTX:Wheat
Start	579	End	1125
GI	none	Score	335
Exons	579..935, 761..937, 768..950, 936..1121, 937..1125		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o2.ts	Method	TBLASTX:Soybean
Start	936	End	1173
GI	none	Score	284
Exons	936..1172, 937..1173		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o3.tm	Method	TBLASTX:Maize

Start	971	End	6431
GI	none	Score	98
Exons	971..1156, 972..1259, 973..1263, 6309..6431, 6313..6429		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o1.tw	Method	TBLASTX:Wheat
Start	1132	End	6431
GI	none	Score	704
Exons	1132..1758, 1134..1637, 5815..6162, 5816..6160, 6147..6251, 6160..6429, 6165..6431		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o1.tm	Method	TBLASTX:Maize
Start	1311	End	6260
GI	none	Score	76
Exons	1311..1442, 1311..1466, 1312..1473, 1470..1631, 1471..1896, 1591..1875, 1698..1895, 5662..6102, 5663..6103, 5675..6103, 6042..6107, 6100..6162, 6107..6142, 6157..6252, 6160..6252, 6165..6260, 6171..6254		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o6.tw	Method	TBLASTX:Wheat
Start	1758	End	5815
GI	none	Score	316
Exons	1758..2039, 1759..2091, 5482..5814, 5600..5815		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o3.gs	Method	GENSCAN
Start	5434	End	9903
GI	none	Score	.74
Exons	5434..6275, 6385..7090, 7124..7890, 8052..8160, 8268..8701, 8852..8981, 9097..9209, 9230..9326, 9763..9903		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o3.np	Method	AAT/NAP
Start	5437	End	9326
GI	4680179	Score	5499
Exons	5437..9326		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o4.tw	Method	TBLASTX:Wheat
Start	6668	End	7069
GI	none	Score	260
Exons	6668..7069, 6669..7037, 6776..7069		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o1.ts	Method	TBLASTX:Soybean
Start	6782	End	7177
GI	none	Score	149
Exons	6782..7141, 6783..7037, 6911..7141, 7133..7177, 7145..7177		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o5.tm	Method	TBLASTX:Maize
Start	6897	End	7063
GI	none	Score	120
Exons	6897..7058, 6898..7059, 6902..7063		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o4.tm	Method	TBLASTX:Maize
Start	7064	End	7531
GI	none	Score	103
Exons	7064..7531, 7097..7444		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o3.tw	Method	TBLASTX:Wheat
Start	7121	End	7600
GI	none	Score	205
Exons	7121..7600, 7127..7489, 7161..7496		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o4.ts	Method	TBLASTX:Soybean
Start	7250	End	7564
GI	none	Score	60
Exons	7250..7564, 7251..7448		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o8.tw	Method	TBLASTX:Wheat
Start	7763	End	8179
GI	none	Score	100
Exons	7763..7924, 7764..7919, 7985..8179, 8031..8162		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o7.tw	Method	TBLASTX:Wheat
Start	8457	End	8822
GI	none	Score	37
Exons	8457..8537, 8458..8484, 8523..8822, 8611..8817		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o6.tm	Method	TBLASTX:Maize
Start	8523	End	8819
GI	none	Score	89
Exons	8523..8819, 8632..8802		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o9.tw	Method	TBLASTX:Wheat
Start	8845	End	9074
GI	none	Score	78
Exons	8845..8946, 8848..9033, 8856..9074		

Seq. No.	32643	Seq. ID	OJ990618_05.0120.C6
Gene No.	67709	Strand	-
Start	5434	End	9997
Name	OJ990618_05.0120.C6.o4.np	Method	AAT/NAP
Start	9587	End	9997
GI	5042448	Score	577
Exons	9587..9873, 9904..9997		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7
Gene No.	67710	Strand	+
Start	5326	End	8376
Name	OJ990618_05.0120.C7.o2.np	Method	AAT/NAP
Start	5326	End	8169
GI	4539658	Score	185
Exons	5326..5659, 8108..8169		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7
Gene No.	67710	Strand	+
Start	5326	End	8376
Name	OJ990618_05.0120.C7.o3.np	Method	AAT/NAP
Start	5332	End	8376
GI	4539658	Score	191
Exons	5332..5719, 8352..8376		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7
Gene No.	67710	Strand	+
Start	5326	End	8376
Name	OJ990618_05.0120.C7.o2.gp	Method	AAT/GAP
Start	7693	End	7882
GI	LIB3433-026-P1-K1-C1	Score	246
Exons	7693..7882		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0c-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7

Gene No.	67711	Strand	+
Start	9665	End	10289
Name	OJ990618_05.0120.C7.o5.np	Method	AAT/NAP
Start	9665	End	10289
GI	6721559	Score	580
Exons	9665..10127, 10158..10289		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7
Gene No.	67712	Strand	-
Start	1	End	4458
Name	OJ990618_05.0120.C7.o1.np	Method	AAT/NAP
Start	1	End	173
GI	5042448	Score	272
Exons	1..173		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7
Gene No.	67712	Strand	-
Start	1	End	4458
Name	OJ990618_05.0120.C7.o1.gs	Method	GENSCAN
Start	48	End	4458
GI	none	Score	.46
Exons	48..239, 2105..2220, 2745..3090, 3223..3348, 4438..4458		

Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7
Gene No.	67713	Strand	-
Start	6023	End	15999
Name	OJ990618_05.0120.C7.o2.gs	Method	GENSCAN
Start	6023	End	15888
GI	none	Score	.45
Exons	6023..6273, 7382..7468, 9102..9407, 9453..9518, 9611..9647, 10139..10193, 11359..11398, 12692..12778, 13467..13538, 14834..15092, 15184..15888		

Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7
Gene No.	67713	Strand	-
Start	6023	End	15999
Name	OJ990618_05.0120.C7.o4.np	Method	AAT/NAP
Start	6160	End	8222
GI	6721561	Score	88
Exons	6160..6181, 8116..8222		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7
Gene No.	67713	Strand	-
Start	6023	End	15999
Name	OJ990618_05.0120.C7.o6.np	Method	AAT/NAP
Start	14822	End	15999
GI	6017938	Score	438

Exons	14822..15999		
GI Descrip.	(AF181456) dehydrin; DHN6 [Hordeum vulgare]		
Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7
Gene No.	67714	Strand	-
Start	18194	End	21520
Name	OJ990618_05.0120.C7.o1.tm	Method	TBLASTX:Maize
Start	5235	End	5873
GI	none	Score	110
Exons	5235..5357, 5236..5355, 5237..5359, 5249..5365, 5350..5469, 5353..5469, 5705..5782, 5705..5785, 5706..5810, 5775..5873, 5782..5865, 5784..5873		
Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7
Gene No.	67714	Strand	-
Start	18194	End	21520
Name	OJ990618_05.0120.C7.o3.gs	Method	GENSCAN
Start	18194	End	20820
GI	none	Score	.47
Exons	18194..18369, 18597..18639, 20602..20820		
Seq. No.	32644	Seq. ID	OJ990618_05.0120.C7
Gene No.	67714	Strand	-
Start	18194	End	21520
Name	OJ990618_05.0120.C7.o7.np	Method	AAT/NAP
Start	20641	End	21520
GI	6815097	Score	413
Exons	20641..21520		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	32645	Seq. ID	OJ990618_05.0120.C8
Gene No.	67715	Strand	+
Start	2968	End	4410
Name	OJ990618_05.0120.C8.o1.gs	Method	GENSCAN
Start	2968	End	3860
GI	none	Score	.76
Exons	2968..3168, 3696..3860		
Seq. No.	32645	Seq. ID	OJ990618_05.0120.C8
Gene No.	67715	Strand	+
Start	2968	End	4410
Name	OJ990618_05.0120.C8.o1.np	Method	AAT/NAP
Start	3675	End	4410
GI	6063557	Score	388
Exons	3675..3856, 4105..4410		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	32646	Seq. ID	OJ990618_05.0120.C9
Gene No.	67716	Strand	+
Start	1	End	4069
Name	OJ990618_05.0120.C9.o1.np	Method	AAT/NAP
Start	1	End	4069
GI	3080389	Score	60
Exons	1..180, 743..831, 1231..1284, 4032..4069		
GI Descrip.	(AL022603) putative membrane associated protein [Arabidopsis thaliana]		

Seq. No.	32646	Seq. ID	OJ990618_05.0120.C9
Gene No.	67716	Strand	+
Start	1	End	4069
Name	OJ990618_05.0120.C9.o1.gp	Method	AAT/GAP
Start	662	End	2349
GI	4811_1.R1084	Score	983
Exons	662..831, 1962..2349		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	32646	Seq. ID	OJ990618_05.0120.C9
Gene No.	67717	Strand	-
Start	304	End	4108
Name	OJ990618_05.0120.C9.o2.np	Method	AAT/NAP
Start	304	End	4108
GI	6721547	Score	85
Exons	304..339, 3965..4108		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	32646	Seq. ID	OJ990618_05.0120.C9
Gene No.	67718	Strand	-
Start	6647	End	7726
Name	OJ990618_05.0120.C9.o2.gs	Method	GENSCAN
Start	6647	End	7726
GI	none	Score	.76
Exons	6647..6781, 7357..7535, 7636..7726		

Seq. No.	32647	Seq. ID	OJ990618_05.0120.C10
Gene No.	67719	Strand	+
Start	343	End	1225
Name	OJ990618_05.0120.C10.o1.gs	Method	GENSCAN
Start	343	End	1225
GI	none	Score	.72
Exons	343..625, 640..741, 1011..1095, 1208..1225		

Seq. No.	32648	Seq. ID	OJ990618_05.0120.C11
Gene No.	67720	Strand	+
Start	1246	End	5257
Name	OJ990618_05.0120.C11.o1.gs	Method	GENSCAN
Start	1246	End	5257
GI	none	Score	.59
Exons	1246..1383, 2322..2413, 2764..3090, 3323..3347, 4769..4886, 5130..5257		

Seq. No.	32648	Seq. ID	OJ990618_05.0120.C11
Gene No.	67721	Strand	-
Start	2945	End	5038
Name	OJ990618_05.0120.C11.o1.np	Method	AAT/NAP
Start	2945	End	5038
GI	6721512	Score	115
Exons	2945..3038, 4926..5038		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67722	Strand	+
Start	221	End	1865

Name	OJ990618_05.0120.C12.o1.gs	Method	GENSCAN
Start	221	End	1865
GI	none	Score	.96
Exons	221..326, 1810..1865		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67723	Strand	+
Start	2646	End	7147
Name	OJ990618_05.0120.C12.o1.np	Method	AAT/NAP
Start	2646	End	7147
GI	4680179	Score	4636
Exons	2646..7147		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o8.tw	Method	TBLASTX:Wheat
Start	2865	End	3125
GI	none	Score	192
Exons	2865..3125, 2877..3050, 2888..3097		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o7.tw	Method	TBLASTX:Wheat
Start	3761	End	4159
GI	none	Score	160
Exons	3761..3982, 3811..3927, 3995..4159, 4012..4122		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o4.tw	Method	TBLASTX:Wheat
Start	4309	End	4792
GI	none	Score	535
Exons	4309..4749, 4310..4792, 4346..4789		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o4.tm	Method	TBLASTX:Maize
Start	4379	End	4846
GI	none	Score	357
Exons	4379..4846, 4451..4633, 4688..4813		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o1.ts	Method	TBLASTX:Soybean
Start	4733	End	5128
GI	none	Score	55
Exons	4733..4765, 4763..4843, 4769..5128, 4873..5127		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178

Name	OJ990618_05.0120.C12.o5.tw	Method	TBLASTX:Wheat
Start	4841	End	5143
GI	none	Score	387
Exons	4841..5143, 4859..4948, 4873..5142		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o5.tm	Method	TBLASTX:Maize
Start	4847	End	5010
GI	none	Score	196
Exons	4847..5008, 4873..5010		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o2.tm	Method	TBLASTX:Maize
Start	5014	End	5472
GI	none	Score	459
Exons	5014..5472, 5015..5455		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o2.tw	Method	TBLASTX:Wheat
Start	5144	End	5647
GI	none	Score	622
Exons	5144..5647, 5149..5646		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o3.ts	Method	TBLASTX:Soybean
Start	5153	End	5395
GI	none	Score	214
Exons	5153..5395, 5155..5280, 5192..5353, 5356..5394		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o3.tw	Method	TBLASTX:Wheat
Start	5648	End	6137
GI	none	Score	584
Exons	5648..6136, 5752..6132, 5979..6137		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o2.ts	Method	TBLASTX:Soybean
Start	5924	End	6184
GI	none	Score	272
Exons	5924..6184, 5956..6183		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o3.tm	Method	TBLASTX:Maize

Start	5982	End	6274
GI	none	Score	98
Exons	5982..6269, 5983..6270, 5984..6274		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o1.tw	Method	TBLASTX:Wheat
Start	6146	End	6769
GI	none	Score	681
Exons	6146..6769, 6148..6648, 6296..6769		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o1.tm	Method	TBLASTX:Maize
Start	6326	End	6918
GI	none	Score	209
Exons	6326..6484, 6330..6488, 6331..6477, 6482..6910, 6484..6645, 6602..6910, 6661..6918		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o6.tw	Method	TBLASTX:Wheat
Start	6769	End	7102
GI	none	Score	305
Exons	6769..7038, 6770..7102		

Seq. No.	32649	Seq. ID	OJ990618_05.0120.C12
Gene No.	67724	Strand	-
Start	7798	End	8178
Name	OJ990618_05.0120.C12.o3.gs	Method	GENSCAN
Start	7798	End	8178
GI	none	Score	.99
Exons	7798..8178		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67725	Strand	+
Start	2077	End	7163
Name	OJ990618_05.0120.C13.o3.np	Method	AAT/NAP
Start	2077	End	7163
GI	4680186	Score	373
Exons	2077..2144, 6078..6124, 6963..7163		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67726	Strand	-
Start	289	End	4806
Name	OJ990618_05.0120.C13.o1.np	Method	AAT/NAP
Start	289	End	4806
GI	4680179	Score	5312
Exons	289..3690, 3724..4806		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67727	Strand	-

Start	6715	End	7096
Name	OJ990618_05.0120.C13.o1.gp	Method	AAT/GAP
Start	6715	End	7096
GI	uC-osflcyp033a04b1	Score	671
Exons	6715..7096		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o6.tw	Method	TBLASTX:Wheat
Start	334	End	667
GI	none	Score	134
Exons	334..666, 398..667		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o1.tm	Method	TBLASTX:Maize
Start	514	End	1112
GI	none	Score	163
Exons	514..870, 530..871, 855..953, 856..951, 951..1112, 958..1104		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o1.tw	Method	TBLASTX:Wheat
Start	667	End	1292
GI	none	Score	62
Exons	667..870, 670..792, 773..865, 855..1292, 856..1236		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o4.tm	Method	TBLASTX:Maize
Start	1161	End	1453
GI	none	Score	200
Exons	1161..1451, 1165..1452, 1265..1453		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o2.ts	Method	TBLASTX:Soybean
Start	1250	End	1506
GI	none	Score	117
Exons	1250..1432, 1251..1454, 1251..1505, 1252..1506		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o2.tw	Method	TBLASTX:Wheat
Start	1299	End	1862
GI	none	Score	319
Exons	1299..1862, 1300..1791		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13

Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o2.tm	Method	TBLASTX:Maize
Start	1857	End	2220
GI	none	Score	161
Exons	1857..2219, 1866..2219, 1870..2220		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o3.tw	Method	TBLASTX:Wheat
Start	1866	End	2288
GI	none	Score	218
Exons	1866..2228, 1866..2288, 1870..2262		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o3.ts	Method	TBLASTX:Soybean
Start	2040	End	2285
GI	none	Score	86
Exons	2040..2285, 2041..2268		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o3.tm	Method	TBLASTX:Maize
Start	2256	End	2756
GI	none	Score	50
Exons	2256..2570, 2299..2349, 2372..2428, 2377..2505, 2577..2756, 2602..2748		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o5.tw	Method	TBLASTX:Wheat
Start	2290	End	2594
GI	none	Score	306
Exons	2290..2592, 2292..2594, 2486..2593		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o1.ts	Method	TBLASTX:Soybean
Start	2307	End	2702
GI	none	Score	117
Exons	2307..2579, 2307..2666, 2308..2598, 2629..2664, 2633..2665, 2670..2702, 2671..2700		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o4.tw	Method	TBLASTX:Wheat
Start	2643	End	3130
GI	none	Score	156
Exons	2643..2969, 2686..2940, 2709..2996, 2945..3130, 2953..3021, 3076..3126		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o5.tm	Method	TBLASTX:Maize
Start	2824	End	3115
GI	none	Score	87
Exons	2824..2949, 2826..2969, 2959..3114, 2960..3115		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o8.tw	Method	TBLASTX:Wheat
Start	3295	End	3664
GI	none	Score	75
Exons	3295..3408, 3296..3409, 3436..3663, 3455..3664		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o7.tw	Method	TBLASTX:Wheat
Start	3979	End	4330
GI	none	Score	109
Exons	3979..4329, 4136..4330		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o6.tm	Method	TBLASTX:Maize
Start	4024	End	4329
GI	none	Score	75
Exons	4024..4329, 4223..4315		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o9.tw	Method	TBLASTX:Wheat
Start	4366	End	4623
GI	none	Score	113
Exons	4366..4563, 4367..4561, 4576..4623		

Seq. No.	32650	Seq. ID	OJ990618_05.0120.C13
Gene No.	67728	Strand	-
Start	7524	End	8152
Name	OJ990618_05.0120.C13.o2.gs	Method	GENSCAN
Start	7524	End	8152
GI	none	Score	.58
Exons	7524..7609, 7894..7963, 7985..8152		

Seq. No.	32651	Seq. ID	OJ990618_05.0120.C14
Gene No.	67729	Strand	+
Start	109	End	881
Name	OJ990618_05.0120.C14.o1.gs	Method	GENSCAN
Start	109	End	867
GI	none	Score	.42
Exons	109..867		

Seq. No.	32651	Seq. ID	OJ990618_05.0120.C14
Gene No.	67729	Strand	+
Start	109	End	881
Name	OJ990618_05.0120.C14.o1.np	Method	AAT/NAP
Start	445	End	881
GI	4680185	Score	485
Exons	445..881		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32651	Seq. ID	OJ990618_05.0120.C14
Gene No.	67730	Strand	-
Start	119	End	1267
Name	OJ990618_05.0120.C14.o2.np	Method	AAT/NAP
Start	119	End	1267
GI	6523547	Score	317
Exons	119..177, 325..1267		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67731	Strand	+
Start	1236	End	4784
Name	OJ990618_05.0120.C15.o1.gs	Method	GENSCAN
Start	1236	End	4766
GI	none	Score	.72
Exons	1236..1697, 1776..2405, 2520..3341, 3726..4766		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67731	Strand	+
Start	1236	End	4784
Name	OJ990618_05.0120.C15.o2.np	Method	AAT/NAP
Start	1236	End	4784
GI	4680203	Score	1666
Exons	1236..1482, 1549..1731, 1758..2151, 2185..3096, 3256..3482, 3813..4784		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67731	Strand	+
Start	1236	End	4784
Name	OJ990618_05.0120.C15.o1.np	Method	AAT/NAP
Start	1238	End	1667
GI	5852182	Score	87
Exons	1238..1470, 1561..1667		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67732	Strand	-
Start	5360	End	5588
Name	OJ990618_05.0120.C15.o2.tw	Method	TBLASTX:Wheat
Start	1830	End	2444
GI	none	Score	194
Exons	1830..2129, 1949..2080, 2199..2318, 2223..2324, 2316..2444, 2316..2426		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67732	Strand	-

Start	5360	End	5588
Name	OJ990618_05.0120.C15.o1.ts	Method	TBLASTX:Soybean
Start	1850	End	2138
GI	none	Score	276
Exons	1850..2059, 1851..2138		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67732	Strand	-
Start	5360	End	5588
Name	OJ990618_05.0120.C15.o2.ts	Method	TBLASTX:Soybean
Start	2193	End	2459
GI	none	Score	189
Exons	2193..2459, 2226..2438		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67732	Strand	-
Start	5360	End	5588
Name	OJ990618_05.0120.C15.o2.tc	Method	TBLASTX:Cress
Start	2199	End	2540
GI	none	Score	280
Exons	2199..2540, 2201..2344, 2384..2533		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67732	Strand	-
Start	5360	End	5588
Name	OJ990618_05.0120.C15.o2.tm	Method	TBLASTX:Maize
Start	2299	End	2513
GI	none	Score	84
Exons	2299..2511, 2304..2513, 2315..2512		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67732	Strand	-
Start	5360	End	5588
Name	OJ990618_05.0120.C15.o3.tw	Method	TBLASTX:Wheat
Start	2454	End	2780
GI	none	Score	42
Exons	2454..2486, 2490..2588, 2492..2581, 2634..2729, 2742..2780		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67732	Strand	-
Start	5360	End	5588
Name	OJ990618_05.0120.C15.o1.tm	Method	TBLASTX:Maize
Start	3347	End	3785
GI	none	Score	56
Exons	3347..3400, 3348..3416, 3416..3643, 3417..3659, 3423..3659, 3701..3784, 3702..3785		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67732	Strand	-
Start	5360	End	5588
Name	OJ990618_05.0120.C15.o1.tw	Method	TBLASTX:Wheat
Start	3372	End	4628
GI	none	Score	234
Exons	3372..3659, 3425..3640, 3693..4142, 3707..3979, 4191..4349, 4202..4333, 4337..4426, 4338..4427, 4458..4559, 4566..4628		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15

Gene No.	67732	Strand	-
Start	5360	End	5588
Name	OJ990618_05.0120.C15.o1.tc	Method	TBLASTX:Cress
Start	3725	End	4142
GI	none	Score	316
Exons	3725..3979, 3726..4142		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67732	Strand	-
Start	5360	End	5588
Name	OJ990618_05.0120.C15.o3.tm	Method	TBLASTX:Maize
Start	4035	End	4325
GI	none	Score	161
Exons	4035..4205, 4037..4204, 4220..4324, 4221..4325		

Seq. No.	32652	Seq. ID	OJ990618_05.0120.C15
Gene No.	67732	Strand	-
Start	5360	End	5588
Name	OJ990618_05.0120.C15.o2.gs	Method	GENSCAN
Start	5360	End	5588
GI	none	Score	.72
Exons	5360..5588		

Seq. No.	32653	Seq. ID	OJ990618_05.0120.C16
Gene No.	67733	Strand	+
Start	1053	End	7895
Name	OJ990618_05.0120.C16.o1.gs	Method	GENSCAN
Start	1053	End	7895
GI	none	Score	.63
Exons	1053..1289, 1357..1445, 1554..1599, 1734..1818, 2385..2583, 2599..2695, 3294..3470, 3525..3758, 3844..3916, 5484..5514, 6896..6944, 7701..7895		

Seq. No.	32653	Seq. ID	OJ990618_05.0120.C16
Gene No.	67734	Strand	-
Start	1	End	106
Name	OJ990618_05.0120.C16.o1.gp	Method	AAT/GAP
Start	1	End	106
GI	LIB3477-003-P1-K1-E9	Score	172
Exons	1..106		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Qryza sativa]'		

Seq. No.	32653	Seq. ID	OJ990618_05.0120.C16
Gene No.	67735	Strand	-
Start	9153	End	11958
Name	OJ990618_05.0120.C16.o2.tm	Method	TBLASTX:Maize
Start	4348	End	4580
GI	none	Score	92
Exons	4348..4440, 4425..4460, 4427..4468, 4428..4460, 4449..4580, 4457..4579, 4497..4580		

Seq. No.	32653	Seq. ID	OJ990618_05.0120.C16
Gene No.	67735	Strand	-
Start	9153	End	11958
Name	OJ990618_05.0120.C16.o1.tm	Method	TBLASTX:Maize

Start	4582	End	4779
GI	none	Score	225
Exons	4582..4773, 4585..4779		

Seq. No.	32653	Seq. ID	OJ990618_05.0120.C16
Gene No.	67735	Strand	-
Start	9153	End	11958
Name	OJ990618_05.0120.C16.o2.gs	Method	GENSCAN
Start	9153	End	11958
GI	none	Score	.49
Exons	9153..9570, 10163..10452, 10836..11091, 11639..11742, 11896..11958		

Seq. No.	32654	Seq. ID	OJ990618_05.0120.C18
Gene No.	67736	Strand	+
Start	5208	End	5844
Name	OJ990618_05.0120.C18.o2.gs	Method	GENSCAN
Start	5208	End	5844
GI	none	Score	.85
Exons	5208..5298, 5365..5621, 5656..5844		

Seq. No.	32654	Seq. ID	OJ990618_05.0120.C18
Gene No.	67737	Strand	-
Start	1	End	3517
Name	OJ990618_05.0120.C18.o1.np	Method	AAT/NAP
Start	1	End	2674
GI	6539553	Score	381
Exons	1..36, 2234..2674		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	32654	Seq. ID	OJ990618_05.0120.C18
Gene No.	67737	Strand	-
Start	1	End	3517
Name	OJ990618_05.0120.C18.o1.gs	Method	GENSCAN
Start	42	End	3517
GI	none	Score	.6
Exons	42..536, 1878..1943, 2394..2561, 3384..3517		

Seq. No.	32654	Seq. ID	OJ990618_05.0120.C18
Gene No.	67737	Strand	-
Start	1	End	3517
Name	OJ990618_05.0120.C18.o1.tw	Method	TBLASTX:Wheat
Start	2321	End	2680
GI	none	Score	85
Exons	2321..2566, 2322..2528, 2330..2542, 2570..2680, 2589..2663		

Seq. No.	32655	Seq. ID	OJ990618_05.0120.C19
Gene No.	67738	Strand	-
Start	1	End	518
Name	OJ990618_05.0120.C19.o1.np	Method	AAT/NAP
Start	1	End	518
GI	4680179	Score	834
Exons	1..518		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32655	Seq. ID	OJ990618_05.0120.C19
Gene No.	67738	Strand	-
Start	1	End	518
Name	OJ990618_05.0120.C19.o1.tw	Method	TBLASTX:Wheat
Start	11	End	327
GI	none	Score	242
Exons	11..295, 22..327, 34..327		

Seq. No.	32655	Seq. ID	OJ990618_05.0120.C19
Gene No.	67738	Strand	-
Start	1	End	518
Name	OJ990618_05.0120.C19.o1.tm	Method	TBLASTX:Maize
Start	26	End	489
GI	none	Score	42
Exons	26..82, 28..324, 107..238, 310..489		

Seq. No.	32655	Seq. ID	OJ990618_05.0120.C19
Gene No.	67738	Strand	-
Start	1	End	518
Name	OJ990618_05.0120.C19.o1.ts	Method	TBLASTX:Soybean
Start	40	End	435
GI	none	Score	149
Exons	40..399, 41..295, 169..399, 391..435, 403..435		

Seq. No.	32655	Seq. ID	OJ990618_05.0120.C19
Gene No.	67738	Strand	-
Start	1	End	518
Name	OJ990618_05.0120.C19.o1.gs	Method	GENSCAN
Start	185	End	468
GI	none	Score	.43
Exons	185..348, 382..468		

Seq. No.	32655	Seq. ID	OJ990618_05.0120.C19
Gene No.	67738	Strand	-
Start	1	End	518
Name	OJ990618_05.0120.C19.o2.tw	Method	TBLASTX:Wheat
Start	328	End	498
GI	none	Score	140
Exons	328..492, 328..498		

Seq. No.	32656	Seq. ID	OJ990618_05.0120.C20
Gene No.	67739	Strand	-
Start	18	End	1149
Name	OJ990618_05.0120.C20.o1.gs	Method	GENSCAN
Start	18	End	1149
GI	none	Score	.56
Exons	18..970, 1054..1149		

Seq. No.	32657	Seq. ID	OJ990618_05.0120.C21
Gene No.	67740	Strand	-
Start	1	End	1785
Name	OJ990618_05.0120.C21.o1.np	Method	AAT/NAP
Start	1	End	1785
GI	3845128	Score	61
Exons	1..57, 1390..1438, 1636..1785		
GI Descrip.	(AE001381) hypothetical protein [Plasmodium falciparum]		

Seq. No.	32657	Seq. ID	OJ990618_05.0120.C21
Gene No.	67740	Strand	-
Start	1	End	1785
Name	OJ990618_05.0120.C21.o1.gs	Method	GENSCAN
Start	481	End	1122
GI	none	Score	.9
Exons	481..531, 881..985, 1051..1122		

Seq. No.	32658	Seq. ID	OJ990618_05.0120.C22
Gene No.	67741	Strand	+
Start	750	End	1536
Name	OJ990618_05.0120.C22.o1.gs	Method	GENSCAN
Start	750	End	1536
GI	none	Score	.93
Exons	750..788, 1189..1536		

Seq. No.	32659	Seq. ID	OJ990618_05.0120.C24
Gene No.	67742	Strand	+
Start	1064	End	2426
Name	OJ990618_05.0120.C24.o2.np	Method	AAT/NAP
Start	1064	End	2415
GI	5852179	Score	260
Exons	1064..1084, 1902..2108, 2183..2415		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	32659	Seq. ID	OJ990618_05.0120.C24
Gene No.	67742	Strand	+
Start	1064	End	2426
Name	OJ990618_05.0120.C24.o1.gs	Method	GENSCAN
Start	1335	End	2426
GI	none	Score	.56
Exons	1335..1360, 1857..2060, 2106..2198, 2237..2426		

Seq. No.	32659	Seq. ID	OJ990618_05.0120.C24
Gene No.	67743	Strand	-
Start	815	End	2553
Name	OJ990618_05.0120.C24.o1.np	Method	AAT/NAP
Start	815	End	2553
GI	6063554	Score	188
Exons	815..992, 2227..2553		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32660	Seq. ID	OJ990618_05.0120.C27
Gene No.	67744	Strand	+
Start	1	End	2532
Name	OJ990618_05.0120.C27.o1.np	Method	AAT/NAP
Start	1	End	1514
GI	5441880	Score	602
Exons	1..26, 682..787, 1034..1165, 1280..1514		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32660	Seq. ID	OJ990618_05.0120.C27

Gene No.	67744	Strand	+
Start	1	End	2532
Name	OJ990618_05.0120.C27.o1.gs	Method	GENSCAN
Start	125	End	2532
GI	none	Score	.62
Exons	125..535, 649..720, 878..961, 1053..1165, 1295..1397, 2185..2343, 2410..2532		

Seq. No.	32660	Seq. ID	OJ990618_05.0120.C27
Gene No.	67745	Strand	-
Start	2718	End	3513
Name	OJ990618_05.0120.C27.o3.np	Method	AAT/NAP
Start	2718	End	3513
GI	6721543	Score	115
Exons	2718..2844, 3385..3513		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32661	Seq. ID	OJ990618_05.0120.C28
Gene No.	67746	Strand	+
Start	1	End	457
Name	OJ990618_05.0120.C28.o1.np	Method	AAT/NAP
Start	1	End	454
GI	1360141	Score	489
Exons	1..454		
GI Descrip.	(X97980) protein kinase [Solanum berthaultii]		

Seq. No.	32661	Seq. ID	OJ990618_05.0120.C28
Gene No.	67746	Strand	+
Start	1	End	457
Name	OJ990618_05.0120.C28.o1.gs	Method	GENSCAN
Start	53	End	457
GI	none	Score	.76
Exons	53..457		

Seq. No.	32661	Seq. ID	OJ990618_05.0120.C28
Gene No.	67747	Strand	-
Start	2194	End	4713
Name	OJ990618_05.0120.C28.o1.tc	Method	TBLASTX:Cress
Start	1	End	310
GI	none	Score	450
Exons	1..270, 2..310		

Seq. No.	32661	Seq. ID	OJ990618_05.0120.C28
Gene No.	67747	Strand	-
Start	2194	End	4713
Name	OJ990618_05.0120.C28.o1.ts	Method	TBLASTX:Soybean
Start	1	End	313
GI	none	Score	459
Exons	1..270, 2..313, 182..295		

Seq. No.	32661	Seq. ID	OJ990618_05.0120.C28
Gene No.	67747	Strand	-
Start	2194	End	4713
Name	OJ990618_05.0120.C28.o1.tw	Method	TBLASTX:Wheat
Start	1	End	307
GI	none	Score	423
Exons	1..198, 2..307, 223..270		

Seq. No.	32661	Seq. ID	OJ990618_05.0120.C28
Gene No.	67747	Strand	-
Start	2194	End	4713
Name	OJ990618_05.0120.C28.o1.tm	Method	TBLASTX:Maize
Start	1	End	310
GI	none	Score	453
Exons	1..270, 2..310, 179..295		

Seq. No.	32661	Seq. ID	OJ990618_05.0120.C28
Gene No.	67747	Strand	-
Start	2194	End	4713
Name	OJ990618_05.0120.C28.o2.gs	Method	GENSCAN
Start	2194	End	4690
GI	none	Score	.7
Exons	2194..2305, 3088..3298, 4159..4269, 4396..4521, 4630..4690		

Seq. No.	32661	Seq. ID	OJ990618_05.0120.C28
Gene No.	67747	Strand	-
Start	2194	End	4713
Name	OJ990618_05.0120.C28.o2.np	Method	AAT/NAP
Start	4407	End	4713
GI	6721512	Score	121
Exons	4407..4543, 4571..4713		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32662	Seq. ID	OJ990618_05.0120.C29
Gene No.	67748	Strand	+
Start	613	End	903
Name	OJ990618_05.0120.C29.o1.gs	Method	GENSCAN
Start	613	End	903
GI	none	Score	.97
Exons	613..903		

Seq. No.	32663	Seq. ID	OJ990618_05.0120.C30
Gene No.	67749	Strand	+
Start	3099	End	4524
Name	OJ990618_05.0120.C30.o1.gp	Method	AAT/GAP
Start	3099	End	3978
GI	60234_1.R1084	Score	725
Exons	3099..3350, 3448..3536, 3928..3978		
GI Descrip.	'1592812/emb|CAA65195| 1.0e-10 (X95957) 22 kDa polypeptide [Nicotiana tabacum]'		

Seq. No.	32663	Seq. ID	OJ990618_05.0120.C30
Gene No.	67749	Strand	+
Start	3099	End	4524
Name	OJ990618_05.0120.C30.o1.gs	Method	GENSCAN
Start	3237	End	4524
GI	none	Score	.99
Exons	3237..3350, 3448..3537, 3930..4017, 4118..4524		

Seq. No.	32663	Seq. ID	OJ990618_05.0120.C30
Gene No.	67749	Strand	+
Start	3099	End	4524
Name	OJ990618_05.0120.C30.o1.np	Method	AAT/NAP
Start	3237	End	4521

GI	2764992	Score	355
Exons	3237..3350, 3448..3537, 3930..4017, 4118..4217, 4263..4521		
GI Descrip.	(Y08609) plasma membrane polypeptide [Nicotiana tabacum]		

Seq. No.	32663	Seq. ID	OJ990618_05.0120.C30
Gene No.	67750	Strand	-
Start	4505	End	4857
Name	OJ990618_05.0120.C30.o1.tm	Method	TBLASTX:Maize
Start	3445	End	4224
GI	none	Score	149
Exons	3445..3555, 3459..3548, 3927..4019, 3929..4018, 4114..4224, 4119..4217, 4120..4221		

Seq. No.	32663	Seq. ID	OJ990618_05.0120.C30
Gene No.	67750	Strand	-
Start	4505	End	4857
Name	OJ990618_05.0120.C30.o2.gp	Method	AAT/GAP
Start	4505	End	4857
GI	2280641	Score	702
Exons	4505..4857		

Seq. No.	32664	Seq. ID	OJ990618_05.0120.C31
Gene No.	67751	Strand	+
Start	1	End	995
Name	OJ990618_05.0120.C31.o1.np	Method	AAT/NAP
Start	1	End	950
GI	5777617	Score	77
Exons	1..34, 823..950		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	32664	Seq. ID	OJ990618_05.0120.C31
Gene No.	67751	Strand	+
Start	1	End	995
Name	OJ990618_05.0120.C31.o1.gs	Method	GENSCAN
Start	454	End	995
GI	none	Score	.4
Exons	454..574, 826..995		

Seq. No.	32664	Seq. ID	OJ990618_05.0120.C31
Gene No.	67752	Strand	-
Start	951	End	1158
Name	OJ990618_05.0120.C31.o2.np	Method	AAT/NAP
Start	951	End	1158
GI	6006372	Score	91
Exons	951..1158		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67753	Strand	+
Start	1	End	4655
Name	OJ990618_05.0120.C33.o1.np	Method	AAT/NAP
Start	1	End	4655
GI	2760331	Score	464
Exons	1..47, 497..690, 1893..2458, 2544..2924, 4592..4655		
GI Descrip.	(AC002130) F1N21.16 [Arabidopsis thaliana]		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33

Gene No.	67753	Strand	+
Start	1	End	4655
Name	OJ990618_05.0120.C33.o1.gs	Method	GENSCAN
Start	219	End	1551
GI	none	Score	.8
Exons	219..482, 739..978, 1281..1419, 1501..1551		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67754	Strand	+
Start	10299	End	20015
Name	OJ990618_05.0120.C33.o4.gs	Method	GENSCAN
Start	10299	End	13888
GI	none	Score	.89
Exons	10299..10693, 11574..11619, 11766..11891, 12066..12536, 12630..12690, 12744..13888		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67754	Strand	+
Start	10299	End	20015
Name	OJ990618_05.0120.C33.o2.np	Method	AAT/NAP
Start	11766	End	13841
GI	4680179	Score	2485
Exons	11766..13841		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67754	Strand	+
Start	10299	End	20015
Name	OJ990618_05.0120.C33.o3.np	Method	AAT/NAP
Start	11766	End	17293
GI	4680179	Score	2483
Exons	11766..13841, 17199..17293		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67754	Strand	+
Start	10299	End	20015
Name	OJ990618_05.0120.C33.o5.gs	Method	GENSCAN
Start	16952	End	20015
GI	none	Score	.65
Exons	16952..17075, 17506..17754, 18235..18515, 18570..18750, 18793..18915, 19930..20015		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67755	Strand	+
Start	20464	End	20516
Name	OJ990618_05.0120.C33.o3.gp	Method	AAT/GAP
Start	20464	End	20516
GI	702381	Score	86
Exons	20464..20516		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67756	Strand	-
Start	4128	End	4571
Name	OJ990618_05.0120.C33.o2.gs	Method	GENSCAN
Start	4128	End	4571
GI	none	Score	1

Exons	4128..4571		
Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67757	Strand	-
Start	6102	End	6404
Name	OJ990618_05.0120.C33.o1.gp	Method	AAT/GAP
Start	6102	End	6404
GI	61605_3.R1084	Score	451
Exons	6102..6404		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67758	Strand	-
Start	6593	End	9642
Name	OJ990618_05.0120.C33.o3.gs	Method	GENSCAN
Start	6593	End	9642
GI	none	Score	.78
Exons	6593..6866, 7547..7644, 8875..8965, 9497..9642		
Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67759	Strand	-
Start	9734	End	9807
Name	OJ990618_05.0120.C33.o2.gp	Method	AAT/GAP
Start	9734	End	9807
GI	LIB3477-003-P1-K1-E9	Score	93
Exons	9734..9807		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67760	Strand	-
Start	20873	End	20974
Name	OJ990618_05.0120.C33.o2.tm	Method	TBLASTX:Maize
Start	617	End	2911
GI	none	Score	203
Exons	617..772, 617..748, 619..771, 1902..1988, 1903..1989, 2808..2909, 2819..2911, 2821..2895		
Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67760	Strand	-
Start	20873	End	20974
Name	OJ990618_05.0120.C33.o1.tw	Method	TBLASTX:Wheat
Start	10329	End	13837
GI	none	Score	431
Exons	10329..10691, 10368..10685, 10406..10690, 13475..13837, 13514..13831, 13579..13836		
Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67760	Strand	-
Start	20873	End	20974
Name	OJ990618_05.0120.C33.o1.tm	Method	TBLASTX:Maize
Start	10341	End	13776
GI	none	Score	313
Exons	10341..10628, 10400..10630, 13487..13774, 13585..13776		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67760	Strand	-
Start	20873	End	20974
Name	OJ990618_05.0120.C33.o2.tw	Method	TBLASTX:Wheat
Start	11976	End	12359
GI	none	Score	305
Exons	11976..12359, 11999..12358		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67760	Strand	-
Start	20873	End	20974
Name	OJ990618_05.0120.C33.o3.tm	Method	TBLASTX:Maize
Start	12240	End	12569
GI	none	Score	202
Exons	12240..12569		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67760	Strand	-
Start	20873	End	20974
Name	OJ990618_05.0120.C33.o4.tm	Method	TBLASTX:Maize
Start	12893	End	13213
GI	none	Score	197
Exons	12893..13213, 12937..13038		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67760	Strand	-
Start	20873	End	20974
Name	OJ990618_05.0120.C33.o3.tw	Method	TBLASTX:Wheat
Start	12896	End	13300
GI	none	Score	150
Exons	12896..13123, 12931..13065, 13127..13300, 13160..13240		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67760	Strand	-
Start	20873	End	20974
Name	OJ990618_05.0120.C33.o5.tw	Method	TBLASTX:Wheat
Start	17427	End	17620
GI	none	Score	191
Exons	17427..17606, 17429..17620		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67760	Strand	-
Start	20873	End	20974
Name	OJ990618_05.0120.C33.o4.tw	Method	TBLASTX:Wheat
Start	18017	End	18428
GI	none	Score	130
Exons	18017..18409, 18021..18224, 18270..18428		

Seq. No.	32665	Seq. ID	OJ990618_05.0120.C33
Gene No.	67760	Strand	-
Start	20873	End	20974
Name	OJ990618_05.0120.C33.o6.gs	Method	GENSCAN
Start	20873	End	20974
GI	none	Score	47
Exons	20873..20974		

Seq. No.	32666	Seq. ID	OJ990618_05.0120.C34

Gene No.	67761	Strand	+
Start	5536	End	6971
Name	OJ990618_05.0120.C34.o2.np	Method	AAT/NAP
Start	5536	End	6971
GI	6630691	Score	94
Exons	5536..5566, 6782..6971		
GI Descrip.	(AP000969) ESTs AU082078(C53435), C28061(C53848) correspond to a region of the predicted gene.; Similar to PGP224. (AF049928) [Oryza sativa]		

Seq. No.	32666	Seq. ID	OJ990618_05.0120.C34
Gene No.	67761	Strand	+
Start	5536	End	6971
Name	OJ990618_05.0120.C34.o1.gp	Method	AAT/GAP
Start	6114	End	6862
GI	702381	Score	572
Exons	6114..6252, 6348..6419, 6726..6862		

Seq. No.	32666	Seq. ID	OJ990618_05.0120.C34
Gene No.	67762	Strand	-
Start	881	End	6862
Name	OJ990618_05.0120.C34.o1.np	Method	AAT/NAP
Start	405	End	4209
GI	6721547	Score	87
Exons	405..423, 3281..3301, 4118..4209		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	32666	Seq. ID	OJ990618_05.0120.C34
Gene No.	67762	Strand	-
Start	881	End	6862
Name	OJ990618_05.0120.C34.o1.gs	Method	GENSCAN
Start	881	End	6862
GI	none	Score	.61
Exons	881..961, 1569..1611, 3094..3215, 6042..6241, 6274..6532, 6752..6862		

Seq. No.	32666	Seq. ID	OJ990618_05.0120.C34
Gene No.	67763	Strand	-
Start	7244	End	8957
Name	OJ990618_05.0120.C34.o2.gs	Method	GENSCAN
Start	7244	End	8957
GI	none	Score	.92
Exons	7244..7437, 8922..8957		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67764	Strand	+
Start	218	End	374
Name	OJ990618_05.0120.C35.o1.gs	Method	GENSCAN
Start	218	End	374
GI	none	Score	.69
Exons	218..374		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67765	Strand	+
Start	11965	End	16664
Name	OJ990618_05.0120.C35.o2.np	Method	AAT/NAP
Start	11965	End	16461

GI	5902444	Score	1047
Exons	11965..12010, 14138..14462, 14799..16461		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67765	Strand	+
Start	11965	End	16664
Name	OJ990618_05.0120.C35.o3.np	Method	AAT/NAP
Start	16352	End	16664
GI	4544372	Score	133
Exons	16352..16664		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67766	Strand	-
Start	2611	End	11521
Name	OJ990618_05.0120.C35.o2.gs	Method	GENSCAN
Start	2611	End	11447
GI	none	Score	.42
Exons	2611..2987, 3635..3972, 4190..4218, 6440..6571, 7529..7707, 7913..8060, 8213..8388, 8878..8905, 9811..10011, 10120..10263, 11151..11256, 11389..11447		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67766	Strand	-
Start	2611	End	11521
Name	OJ990618_05.0120.C35.o1.gp	Method	AAT/GAP
Start	8601	End	11521
GI	857_1.R1084	Score	1899
Exons	8601..8905, 9811..10011, 10120..10304, 10400..10538, 11151..11256, 11389..11521		
GI Descrip.	'4079800 1.0e-124 (AF052503) S-phase-specific ribosomal protein [Oryza sativa]'		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67766	Strand	-
Start	2611	End	11521
Name	OJ990618_05.0120.C35.o1.np	Method	AAT/NAP
Start	8813	End	11447
GI	4079800	Score	1116
Exons	8813..8905, 9811..10011, 10119..10305, 10401..10538, 11151..11256, 11389..11447		
GI Descrip.	(AF052503) S-phase-specific ribosomal protein [Oryza sativa]		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67766	Strand	-
Start	2611	End	11521
Name	OJ990618_05.0120.C35.o1.tm	Method	TBLASTX:Maize
Start	8837	End	11259
GI	none	Score	65
Exons	8837..8908, 8858..8914, 9808..10014, 9809..10024, 10114..10305, 10121..10309, 10124..10306, 10401..10538, 10401..10535, 11140..11259, 11142..11258		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67766	Strand	-

Start	2611	End	11521
Name	OJ990618_05.0120.C35.o1.ts	Method	TBLASTX:Soybean
Start	8858	End	11258
GI	none	Score	230
Exons	8858..8914, 9536..9619, 9701..9745, 9808..10014, 9809..10024, 10114..10305, 10121..10306, 10127..10309, 10387..10461, 10401..10541, 10401..10535, 11140..11253, 11142..11258		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67766	Strand	-
Start	2611	End	11521
Name	OJ990618_05.0120.C35.o1.tc	Method	TBLASTX:Cress
Start	9808	End	11258
GI	none	Score	132
Exons	9808..10014, 9808..10014, 9809..10024, 10114..10305, 10121..10309, 10124..10306, 10387..10461, 10401..10541, 10401..10535, 11140..11256, 11142..11258		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67766	Strand	-
Start	2611	End	11521
Name	OJ990618_05.0120.C35.o1.tw	Method	TBLASTX:Wheat
Start	9808	End	11258
GI	none	Score	172
Exons	9808..9885, 9809..10012, 9877..9927, 9928..10014, 10114..10305, 10121..10306, 10145..10309, 10387..10461, 10401..10541, 10401..10535, 11142..11258, 11148..11255		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67767	Strand	
Start	14845	End	15243
Name	OJ990618_05.0120.C35.o3.tw	Method	TBLASTX:Wheat
Start	14845	End	15243
GI	none	Score	244
Exons	14845..15243, 14859..14897, 14970..15113		

Seq. No.	32667	Seq. ID	OJ990618_05.0120.C35
Gene No.	67768	Strand	
Start	15826	End	16593
Name	OJ990618_05.0120.C35.o2.tw	Method	TBLASTX:Wheat
Start	15826	End	16593
GI	none	Score	144
Exons	15826..16008, 15834..15935, 16045..16281, 16047..16163, 16057..16266, 16206..16271, 16383..16442, 16429..16593, 16450..16560, 16461..16592		

Seq. No.	32668	Seq. ID	OJ990618_05.0120.C37
Gene No.	67769	Strand	+
Start	1254	End	1516
Name	OJ990618_05.0120.C37.o1.gp	Method	AAT/GAP
Start	1254	End	1516
GI	286549	Score	465
Exons	1254..1516		

Seq. No.	32668	Seq. ID	OJ990618_05.0120.C37
Gene No.	67770	Strand	-
Start	1	End	1445

Name	OJ990618_05.0120.C37.o1.np	Method	AAT/NAP
Start	1	End	536
GI	2565001	Score	113
Exons	1..268, 405..536		
GI Descrip.	(AC002983) putative lipid transfer protein [Arabidopsis thaliana]		

Seq. No.	32668	Seq. ID	OJ990618_05.0120.C37
Gene No.	67770	Strand	-
Start	1	End	1445
Name	OJ990618_05.0120.C37.o1.gs	Method	GENSCAN
Start	19	End	1445
GI	none	Score	.48
Exons	19..250, 255..464, 1043..1119, 1239..1445		

Seq. No.	32669	Seq. ID	OJ990618_05.0120.C39
Gene No.	67771	Strand	+
Start	1	End	84
Name	OJ990618_05.0120.C39.o1.np	Method	AAT/NAP
Start	1	End	84
GI	3192690	Score	130
Exons	1..84		
GI Descrip.	(AF064539) gp7 [Bacteriophage N15]		

Seq. No.	32669	Seq. ID	OJ990618_05.0120.C39
Gene No.	67772	Strand	+
Start	155	End	223
Name	OJ990618_05.0120.C39.o2.np	Method	AAT/NAP
Start	155	End	223
GI	3192691	Score	111
Exons	155..223		
GI Descrip.	(AF064539) gp8 [Bacteriophage N15]		

Seq. No.	32670	Seq. ID	OJ990618_05.0120.C41
Gene No.	67773	Strand	+
Start	1	End	250
Name	OJ990618_05.0120.C41.o1.np	Method	AAT/NAP
Start	1	End	250
GI	4966365	Score	218
Exons	1..125, 207..250		
GI Descrip.	(AC006341) Similar to gb|J04556 G11A protein from Oryza sativa and contains a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	32670	Seq. ID	OJ990618_05.0120.C41
Gene No.	67773	Strand	+
Start	1	End	250
Name	OJ990618_05.0120.C41.o1.tm	Method	TBLASTX:Maize
Start	1	End	249
GI	none	Score	160
Exons	1..126, 15..122, 205..249		

Seq. No.	32670	Seq. ID	OJ990618_05.0120.C41
Gene No.	67773	Strand	+
Start	1	End	250
Name	OJ990618_05.0120.C41.o1.tc	Method	TBLASTX:Cress
Start	1	End	249

GI	none	Score	160
Exons	1..126, 15..122, 205..249, 207..245		

Seq. No.	32670	Seq. ID	OJ990618_05.0120.C41
Gene No.	67773	Strand	+
Start	1	End	250
Name	OJ990618_05.0120.C41.o1.gs	Method	GENSCAN
Start	46	End	125
GI	none	Score	.85
Exons	46..125		

Seq. No.	32671	Seq. ID	OJ990618_05.0120.C42
Gene No.	67774	Strand	+
Start	125	End	200
Name	OJ990618_05.0120.C42.o1.gs	Method	GENSCAN
Start	125	End	200
GI	none	Score	.74
Exons	125..200		

Seq. No.	32671	Seq. ID	OJ990618_05.0120.C42
Gene No.	67775	Strand	-
Start	520	End	595
Name	OJ990618_05.0120.C42.o1.gp	Method	AAT/GAP
Start	520	End	595
GI	LIB3477-003-P1-K1-E9	Score	94
Exons	520..595		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32672	Seq. ID	OJ990618_05.0120.C43
Gene No.	67776	Strand	+
Start	76	End	1314
Name	OJ990618_05.0120.C43.o1.gs	Method	GENSCAN
Start	76	End	1314
GI	none	Score	1
Exons	76..1314		

Seq. No.	32672	Seq. ID	OJ990618_05.0120.C43
Gene No.	67777	Strand	-
Start	1812	End	2877
Name	OJ990618_05.0120.C43.o2.gs	Method	GENSCAN
Start	1812	End	2877
GI	none	Score	.46
Exons	1812..2092, 2781..2877		

Seq. No.	32673	Seq. ID	OJ990618_05.0120.C44
Gene No.	67778	Strand	+
Start	102	End	938
Name	OJ990618_05.0120.C44.o1.gs	Method	GENSCAN
Start	102	End	938
GI	none	Score	.93
Exons	102..938		

Seq. No.	32673	Seq. ID	OJ990618_05.0120.C44
Gene No.	67779	Strand	+
Start	1433	End	1873

Name	OJ990618_05.0120.C44.o1.gp	Method	AAT/GAP
Start	1433	End	1873
GI	none	Score	869
Exons	1433..1873		

Seq. No.	32673	Seq. ID	OJ990618_05.0120.C44
Gene No.	67780	Strand	-
Start	991	End	2670
Name	OJ990618_05.0120.C44.o2.np	Method	AAT/NAP
Start	991	End	2670
GI	1176325	Score	66
Exons	991..1036, 1749..1877, 2545..2670		
GI Descrip.	GTP-BINDING PROTEIN TYPA/BIPA HOMOLOG gi|1074543|pir||G64160 hypothetical protein HI0864 - Haemophilus influenzae (strain Rd KW20) gi|1573881 (U32768) GTP-binding protein [Haemophilus influenzae Rd]		

Seq. No.	32673	Seq. ID	OJ990618_05.0120.C44
Gene No.	67780	Strand	-
Start	991	End	2670
Name	OJ990618_05.0120.C44.o2.gs	Method	GENSCAN
Start	1736	End	1869
GI	none	Score	.92
Exons	1736..1869		

Seq. No.	32673	Seq. ID	OJ990618_05.0120.C44
Gene No.	67780	Strand	-
Start	991	End	2670
Name	OJ990618_05.0120.C44.o1.tm	Method	TBLASTX:Maize
Start	1738	End	1876
GI	none	Score	180
Exons	1738..1872, 1742..1876, 1745..1870		

Seq. No.	32674	Seq. ID	OJ990618_05.0120.C45
Gene No.	67781	Strand	-
Start	1	End	1504
Name	OJ990618_05.0120.C45.o1.gp	Method	AAT/GAP
Start	1	End	69
GI	13299_1.R1084	Score	110
Exons	1..69		
GI Descrip.	'3261775/emb|CAB09037| 7.0e-32 (Z95584) hypothetical protein Rv1165 [Mycobacterium tuberculosis]'		

Seq. No.	32674	Seq. ID	OJ990618_05.0120.C45
Gene No.	67781	Strand	-
Start	1	End	1504
Name	OJ990618_05.0120.C45.o1.tm	Method	TBLASTX:Maize
Start	1	End	1504
GI	none	Score	172
Exons	1..150, 1..150, 3..152, 3..152, 745..867, 746..862, 949..1092, 951..1097, 954..1094, 1399..1491, 1402..1491, 1403..1495, 1404..1496, 1406..1504		

Seq. No.	32674	Seq. ID	OJ990618_05.0120.C45
Gene No.	67781	Strand	-
Start	1	End	1504
Name	OJ990618_05.0120.C45.o1.ts	Method	TBLASTX:Soybean

Start	1	End	1496
GI	none	Score	135
Exons	1..150, 1..111, 2..115, 3..152, 738..800, 744..857, 745..867, 746..862, 949..1026, 951..1097, 1046..1087, 1386..1496, 1402..1488, 1403..1495		

Seq. No.	32674	Seq. ID	OJ990618_05.0120.C45
Gene No.	67781	Strand	-
Start	1	End	1504
Name	OJ990618_05.0120.C45.o2.tc	Method	TBLASTX:Cress
Start	1	End	792
GI	none	Score	139
Exons	1..150, 1..105, 3..152, 3..152, 20..166, 745..792		

Seq. No.	32674	Seq. ID	OJ990618_05.0120.C45
Gene No.	67781	Strand	-
Start	1	End	1504
Name	OJ990618_05.0120.C45.o1.np	Method	AAT/NAP
Start	1	End	1495
GI	6458935	Score	276
Exons	1..149, 745..861, 957..1102, 1417..1495		
GI Descrip.	(AE001968) GTP-binding elongation factor family protein TypA/BipA [Deinococcus radiodurans]		

Seq. No.	32674	Seq. ID	OJ990618_05.0120.C45
Gene No.	67781	Strand	-
Start	1	End	1504
Name	OJ990618_05.0120.C45.o1.gs	Method	GENSCAN
Start	745	End	1495
GI	none	Score	.77
Exons	745..861, 1406..1495		

Seq. No.	32674	Seq. ID	OJ990618_05.0120.C45
Gene No.	67781	Strand	-
Start	1	End	1504
Name	OJ990618_05.0120.C45.o1.tc	Method	TBLASTX:Cress
Start	793	End	1492
GI	none	Score	79
Exons	793..867, 794..862, 951..1097, 954..1076, 970..1092, 1365..1487, 1396..1488, 1398..1487, 1403..1492		

Seq. No.	32675	Seq. ID	OJ990618_05.0120.C46
Gene No.	67782	Strand	-
Start	1	End	1821
Name	OJ990618_05.0120.C46.o1.np	Method	AAT/NAP
Start	1	End	841
GI	3183185	Score	327
Exons	1..23, 329..532, 746..841		
GI Descrip.	GTP-BINDING PROTEIN TYPA/BIPA HOMOLOG gi|2224766|emb|CAB09712| (Z97025) product highly similar to elongation factor EF-G [Bacillus subtilis] gi|2633848|emb|CAB13350| (Z99111) similar to GTP-binding elongation factor [Bacillus subtilis]		

Seq. No.	32675	Seq. ID	OJ990618_05.0120.C46
Gene No.	67782	Strand	-
Start	1	End	1821
Name	OJ990618_05.0120.C46.o1.tc	Method	TBLASTX:Cress

Start	324	End	839
GI	none	Score	263
Exons	324..533, 326..535, 327..533,	341..535,	743..832, 744..839

Seq. No.	32675	Seq. ID	OJ990618_05.0120.C46
Gene No.	67782	Strand	-
Start	1	End	1821
Name	OJ990618_05.0120.C46.o1.ts	Method	TBLASTX:Soybean
Start	356	End	851
GI	none	Score	193
Exons	356..535, 357..539, 743..829,	744..851	

Seq. No.	32675	Seq. ID	OJ990618_05.0120.C46
Gene No.	67782	Strand	-
Start	1	End	1821
Name	OJ990618_05.0120.C46.o1.gs	Method	GENSCAN
Start	379	End	1821
GI	none	Score	.68
Exons	379..532, 746..855, 1626..1821		

Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67783	Strand	+
Start	488	End	900
Name	OJ990618_05.0120.C47.o1.gs	Method	GENSCAN
Start	488	End	900
GI	none	Score	.74
Exons	488..572, 776..900		

Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67784	Strand	+
Start	2679	End	9945
Name	OJ990618_05.0120.C47.o1.np	Method	AAT/NAP
Start	2679	End	3738
GI	6721543	Score	164
Exons	2679..2806, 3622..3738		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67784	Strand	+
Start	2679	End	9945
Name	OJ990618_05.0120.C47.o2.gs	Method	GENSCAN
Start	3580	End	9945
GI	none	Score	.53
Exons	3580..3948, 4024..4573, 4655..5441, 5631..5806, 5829..6003, 6635..6881, 7056..7278, 7351..7466, 7558..7805, 7933..8191, 8284..8409, 8436..8533, 8780..8911, 8975..9022, 9027..9144, 9787..9945		

Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67784	Strand	+
Start	2679	End	9945
Name	OJ990618_05.0120.C47.o2.np	Method	AAT/NAP
Start	3751	End	9261
GI	5441880	Score	4597
Exons	3751..4756, 5201..5232, 5491..5806, 6365..6514, 6634..6971, 7558..7856, 7933..8191, 8436..8533, 8780..8911, 9027..9261		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67784	Strand	+
Start	2679	End	9945
Name	OJ990618_05.0120.C47.o1.gp	Method	AAT/GAP
Start	4355	End	4786
GI	5701669	Score	801
Exons	4355..4786		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67784	Strand	+
Start	2679	End	9945
Name	OJ990618_05.0120.C47.o2.gp	Method	AAT/GAP
Start	7684	End	8183
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	7684..7856, 7933..8183		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67785	Strand	-
Start	10204	End	10607
Name	OJ990618_05.0120.C47.o3.gp	Method	AAT/GAP
Start	10204	End	10607
GI	7406_1.R1084	Score	644
Exons	10204..10607		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67786	Strand	-
Start	12879	End	13131
Name	OJ990618_05.0120.C47.o1.tm	Method	TBLASTX:Maize
Start	4312	End	4908
GI	none	Score	95
Exons	4312..4440, 4320..4418, 4474..4773, 4491..4697, 4837..4908		

Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67786	Strand	-
Start	12879	End	13131
Name	OJ990618_05.0120.C47.o1.tw	Method	TBLASTX:Wheat
Start	4606	End	4986
GI	none	Score	204
Exons	4606..4800, 4615..4812, 4806..4925, 4810..4986, 4810..4956		

Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67786	Strand	-
Start	12879	End	13131
Name	OJ990618_05.0120.C47.o2.tw	Method	TBLASTX:Wheat
Start	6693	End	7124
GI	none	Score	86

Exons	6693..6746, 6755..6874, 6756..6884, 6939..6974, 7092..7124		
Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67786	Strand	-
Start	12879	End	13131
Name	OJ990618_05.0120.C47.o2.tm	Method	TBLASTX:Maize
Start	12876	End	13032
GI	none	Score	137
Exons	12876..12926, 12892..12948, 12924..13025, 12927..13031, 12928..13032		
Seq. No.	32676	Seq. ID	OJ990618_05.0120.C47
Gene No.	67786	Strand	-
Start	12879	End	13131
Name	OJ990618_05.0120.C47.o3.np	Method	AAT/NAP
Start	12879	End	13131
GI	2827517	Score	101
Exons	12879..13131		
GI Descrip.	(AL021633) protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	32677	Seq. ID	OJ990618_05.0120.C50
Gene No.	67787	Strand	+
Start	2048	End	3728
Name	OJ990618_05.0120.C50.o1.gs	Method	GENSCAN
Start	2048	End	3728
GI	none	Score	.97
Exons	2048..2109, 2741..3728		
Seq. No.	32677	Seq. ID	OJ990618_05.0120.C50
Gene No.	67787	Strand	+
Start	2048	End	3728
Name	OJ990618_05.0120.C50.o1.np	Method	AAT/NAP
Start	2048	End	3716
GI	4755196	Score	896
Exons	2048..2109, 2741..3716		
GI Descrip.	(AC007018) unknown protein [Arabidopsis thaliana]		
Seq. No.	32677	Seq. ID	OJ990618_05.0120.C50
Gene No.	67787	Strand	+
Start	2048	End	3728
Name	OJ990618_05.0120.C50.o1.gp	Method	AAT/GAP
Start	2755	End	3034
GI	3768354	Score	548
Exons	2755..3034		
GI Descrip.	4539369/emb|CAB40063.1| 1.0e-22 (AL049525) putative protein [Arabidopsis thaliana]		
Seq. No.	32677	Seq. ID	OJ990618_05.0120.C50
Gene No.	67788	Strand	-
Start	4943	End	5839
Name	OJ990618_05.0120.C50.o2.tm	Method	TBLASTX:Maize
Start	1999	End	2956
GI	none	Score	68
Exons	1999..2097, 2011..2118, 2012..2110, 2733..2930, 2734..2844, 2740..2937, 2741..2956, 2742..2954		
Seq. No.	32677	Seq. ID	OJ990618_05.0120.C50

Gene No.	67788	Strand	-
Start	4943	End	5839
Name	OJ990618_05.0120.C50.o1.ts	Method	TBLASTX:Soybean
Start	2724	End	3332
GI	none	Score	231
Exons	2724..2921, 2751..2951, 2801..2947, 2940..3026, 2969..3010, 3026..3331, 3027..3332		

Seq. No.	32677	Seq. ID	OJ990618_05.0120.C50
Gene No.	67788	Strand	-
Start	4943	End	5839
Name	OJ990618_05.0120.C50.o1.tm	Method	TBLASTX:Maize
Start	3112	End	3374
GI	none	Score	401
Exons	3112..3369, 3113..3370, 3114..3374		

Seq. No.	32677	Seq. ID	OJ990618_05.0120.C50
Gene No.	67788	Strand	-
Start	4943	End	5839
Name	OJ990618_05.0120.C50.o2.ts	Method	TBLASTX:Soybean
Start	3419	End	3713
GI	none	Score	195
Exons	3419..3583, 3420..3584, 3581..3712, 3582..3713		

Seq. No.	32677	Seq. ID	OJ990618_05.0120.C50
Gene No.	67788	Strand	-
Start	4943	End	5839
Name	OJ990618_05.0120.C50.o3.tm	Method	TBLASTX:Maize
Start	3480	End	3716
GI	none	Score	77
Exons	3480..3554, 3482..3556, 3581..3700, 3582..3716		

Seq. No.	32677	Seq. ID	OJ990618_05.0120.C50
Gene No.	67788	Strand	-
Start	4943	End	5839
Name	OJ990618_05.0120.C50.o2.gs	Method	GENSCAN
Start	4943	End	5839
GI	none	Score	.76
Exons	4943..5066, 5429..5531, 5668..5839		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67789	Strand	+
Start	55	End	1262
Name	OJ990618_05.0120.C51.o1.gs	Method	GENSCAN
Start	55	End	1262
GI	none	Score	.65
Exons	55..226, 1258..1262		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o1.np	Method	AAT/NAP
Start	5131	End	10663
GI	2460203	Score	184
Exons	5131..5160, 5395..5876, 7048..7226, 7956..8029, 9257..9345, 10534..10663		
GI Descrip.	(AF021244) coronatine-induced protein 1 [Arabidopsis thaliana]		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o2.gs	Method	GENSCAN
Start	5380	End	13703
GI	none	Score	.61
Exons	5380..5667, 6427..6471, 7186..7400, 7543..7644, 7750..7810, 7828..7971, 8232..8331, 9257..9503, 10360..11301, 11352..11417, 11941..12308, 12855..13002, 13178..13703		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o4.tm	Method	TBLASTX:Maize
Start	5380	End	5637
GI	none	Score	53
Exons	5380..5472, 5381..5431, 5443..5598, 5500..5577, 5593..5637		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o5.tm	Method	TBLASTX:Maize
Start	7925	End	9431
GI	none	Score	98
Exons	7925..8029, 7942..8031, 7942..8028, 9233..9346, 9250..9345, 9293..9430, 9357..9431		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o3.np	Method	AAT/NAP
Start	9999	End	14234
GI	4680207	Score	1020
Exons	9999..10158, 10366..12224, 12855..13713, 14196..14234		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o2.np	Method	AAT/NAP
Start	10380	End	14234
GI	4680207	Score	1021
Exons	10380..12224, 12855..13713, 14196..14234		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o1.ts	Method	TBLASTX:Soybean
Start	11042	End	12274
GI	none	Score	104
Exons	11042..11161, 11171..11356, 11507..12070, 11697..11903, 12185..12274		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o3.tw	Method	TBLASTX:Wheat
Start	11108	End	11431
GI	none	Score	57
Exons	11108..11431, 11145..11327		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o1.tw	Method	TBLASTX:Wheat
Start	11520	End	11860
GI	none	Score	43
Exons	11520..11540, 11573..11860, 11577..11849, 11675..11860		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o1.tm	Method	TBLASTX:Maize
Start	11579	End	12080
GI	none	Score	244
Exons	11579..11908, 11583..11906, 11935..11967, 11972..12064, 11985..12080		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o4.tw	Method	TBLASTX:Wheat
Start	11861	End	12093
GI	none	Score	61
Exons	11861..11968, 11861..11968, 11862..11969, 11862..11969, 11984..12079, 11985..12071, 11986..12093		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o3.tm	Method	TBLASTX:Maize
Start	12158	End	12339
GI	none	Score	205
Exons	12158..12316, 12159..12317, 12169..12339		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o2.tm	Method	TBLASTX:Maize
Start	13155	End	13664
GI	none	Score	133
Exons	13155..13241, 13314..13388, 13416..13664, 13507..13641		

Seq. No.	32678	Seq. ID	OJ990618_05.0120.C51
Gene No.	67790	Strand	-
Start	5380	End	14234
Name	OJ990618_05.0120.C51.o2.tw	Method	TBLASTX:Wheat
Start	13470	End	13736
GI	none	Score	175
Exons	13470..13736, 13507..13704, 13623..13706		

Seq. No.	32679	Seq. ID	OJ990618_05.0120.C52
Gene No.	67791	Strand	-
Start	68	End	412
Name	OJ990618_05.0120.C52.o1.gs	Method	GENSCAN
Start	68	End	412
GI	none	Score	.44
Exons	68..412		

Seq. No.	32680	Seq. ID	OJ990618_05.0120.C53
Gene No.	67792	Strand	+
Start	295	End	440
Name	OJ990618_05.0120.C53.o1.gs	Method	GENSCAN
Start	295	End	440
GI	none	Score	.96
Exons	295..440		

Seq. No.	32681	Seq. ID	OJ990618_05.0120.C54
Gene No.	67793	Strand	-
Start	16	End	411
Name	OJ990618_05.0120.C54.o1.np	Method	AAT/NAP
Start	16	End	411
GI	2126090	Score	674
Exons	16..411		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	32682	Seq. ID	OJ990618_05.0120.C56
Gene No.	67794	Strand	+
Start	1	End	1554
Name	OJ990618_05.0120.C56.o1.np	Method	AAT/NAP
Start	1	End	315
GI	4680179	Score	416
Exons	1..315		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32682	Seq. ID	OJ990618_05.0120.C56
Gene No.	67794	Strand	+
Start	1	End	1554
Name	OJ990618_05.0120.C56.o2.np	Method	AAT/NAP
Start	1	End	1554
GI	6063554	Score	51
Exons	1..24, 1111..1307, 1530..1554		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32682	Seq. ID	OJ990618_05.0120.C56
Gene No.	67794	Strand	+
Start	1	End	1554
Name	OJ990618_05.0120.C56.o1.tm	Method	TBLASTX:Maize
Start	1	End	219
GI	none	Score	182

Exons	1..219, 16..75, 24..170		
Seq. No.	32682	Seq. ID	OJ990618_05.0120.C56
Gene No.	67794	Strand	+
Start	1	End	1554
Name	OJ990618_05.0120.C56.o1.tw	Method	TBLASTX:Wheat
Start	1	End	219
GI	none	Score	199
Exons	1..219		
Seq. No.	32683	Seq. ID	OJ990618_05.0120.C57
Gene No.	67795	Strand	+
Start	104	End	427
Name	OJ990618_05.0120.C57.o1.gp	Method	AAT/GAP
Start	104	End	427
GI	13299_1.R1084	Score	152
Exons	104..133, 329..427		
GI Descrip.	'3261775/emb|CAB09037| 7.0e-32 (Z95584) hypothetical protein Rv1165 [Mycobacterium tuberculosis]'		
Seq. No.	32683	Seq. ID	OJ990618_05.0120.C57
Gene No.	67796	Strand	-
Start	334	End	424
Name	OJ990618_05.0120.C57.o1.gs	Method	GENSCAN
Start	334	End	424
GI	none	Score	.67
Exons	334..424		
Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67797	Strand	+
Start	1168	End	1964
Name	OJ990618_05.0120.C61.o1.gs	Method	GENSCAN
Start	1168	End	1962
GI	none	Score	.99
Exons	1168..1962		
Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67797	Strand	+
Start	1168	End	1964
Name	OJ990618_05.0120.C61.o1.np	Method	AAT/NAP
Start	1168	End	1964
GI	4512231	Score	1272
Exons	1168..1964		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o2.np	Method	AAT/NAP
Start	2191	End	4983
GI	4680179	Score	1879
Exons	2191..3251, 3279..4983		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983

Name	OJ990618_05.0120.C61.o2.gs	Method	GENSCAN
Start	2235	End	4935
GI	none	Score	.51
Exons	2235..3940, 3981..4935		

Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o5.tw	Method	TBLASTX:Wheat
Start	2402	End	2600
GI	none	Score	210
Exons	2402..2599, 2403..2600		

Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o3.tw	Method	TBLASTX:Wheat
Start	2649	End	3002
GI	none	Score	310
Exons	2649..2846, 2652..3002		

Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o4.tm	Method	TBLASTX:Maize
Start	2652	End	2957
GI	none	Score	255
Exons	2652..2957, 2652..2888		

Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o4.tw	Method	TBLASTX:Wheat
Start	3336	End	3689
GI	none	Score	247
Exons	3336..3689		

Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o5.tm	Method	TBLASTX:Maize
Start	3693	End	3890
GI	none	Score	181
Exons	3693..3890, 3731..3841		

Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o1.tw	Method	TBLASTX:Wheat
Start	3889	End	4462
GI	none	Score	608
Exons	3889..4461, 3963..4457, 4214..4462		

Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o3.tm	Method	TBLASTX:Maize

Start	4078	End	4425
GI	none	Score	258
Exons	4078..4410, 4104..4424, 4105..4425		

Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o1.ts	Method	TBLASTX:Soybean
Start	4249	End	4509
GI	none	Score	290
Exons	4249..4509, 4260..4508		

Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o1.tm	Method	TBLASTX:Maize
Start	4426	End	4743
GI	none	Score	448
Exons	4426..4743, 4437..4736, 4438..4737, 4526..4738		

Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o2.tw	Method	TBLASTX:Wheat
Start	4468	End	4983
GI	none	Score	578
Exons	4468..4983, 4470..4976, 4525..4983		

Seq. No.	32684	Seq. ID	OJ990618_05.0120.C61
Gene No.	67798	Strand	+
Start	2235	End	4983
Name	OJ990618_05.0120.C61.o2.tm	Method	TBLASTX:Maize
Start	4749	End	4983
GI	none	Score	274
Exons	4749..4967, 4750..4983		

Seq. No.	32685	Seq. ID	OJ990618_05.0120.C64
Gene No.	67799	Strand	+
Start	1	End	360
Name	OJ990618_05.0120.C64.o1.gp	Method	AAT/GAP
Start	1	End	360
GI	none	Score	682
Exons	1..360		

Seq. No.	32686	Seq. ID	OJ990618_05.0120.C65
Gene No.	67800	Strand	-
Start	228	End	494
Name	OJ990618_05.0120.C65.o1.gs	Method	GENSCAN
Start	228	End	494
GI	none	Score	.97
Exons	228..310, 402..494		

Seq. No.	32687	Seq. ID	OJ990728_08.0114.C3
Gene No.	67801	Strand	+
Start	44	End	319
Name	OJ990728_08.0114.C3.o1.gs	Method	GENSCAN
Start	44	End	319

GI	none	Score	.99
Exons	44..319		

Seq. No.	32688	Seq. ID	OJ990728_08.0114.C4
Gene No.	67802	Strand	+
Start	83	End	4149
Name	OJ990728_08.0114.C4.o1.gs	Method	GENSCAN
Start	83	End	4083
GI	none	Score	.47
Exons	83..289, 343..1145, 1280..1353, 1364..1490, 1571..1598, 1698..2115, 2267..2451, 2478..2690, 2769..2951, 3035..4083		

Seq. No.	32688	Seq. ID	OJ990728_08.0114.C4
Gene No.	67802	Strand	+
Start	83	End	4149
Name	OJ990728_08.0114.C4.o1.np	Method	AAT/NAP
Start	866	End	4149
GI	6498441	Score	3891
Exons	866..1914, 2243..2705, 2769..3144, 3328..3462, 3637..4149		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32688	Seq. ID	OJ990728_08.0114.C4
Gene No.	67802	Strand	+
Start	83	End	4149
Name	OJ990728_08.0114.C4.o4.tw	Method	TBLASTX:Wheat
Start	1056	End	1393
GI	none	Score	56
Exons	1056..1109, 1073..1114, 1088..1153, 1096..1152, 1120..1359, 1136..1393		

Seq. No.	32688	Seq. ID	OJ990728_08.0114.C4
Gene No.	67802	Strand	+
Start	83	End	4149
Name	OJ990728_08.0114.C4.o3.tw	Method	TBLASTX:Wheat
Start	2127	End	2612
GI	none	Score	282
Exons	2127..2300, 2128..2466, 2140..2460, 2322..2477, 2457..2612		

Seq. No.	32688	Seq. ID	OJ990728_08.0114.C4
Gene No.	67802	Strand	+
Start	83	End	4149
Name	OJ990728_08.0114.C4.o1.tw	Method	TBLASTX:Wheat
Start	2777	End	3241
GI	none	Score	226
Exons	2777..2974, 2778..2984, 2979..3221, 2986..3237, 2989..3234, 2990..3241		

Seq. No.	32688	Seq. ID	OJ990728_08.0114.C4
Gene No.	67802	Strand	+
Start	83	End	4149
Name	OJ990728_08.0114.C4.o2.tm	Method	TBLASTX:Maize
Start	2907	End	3265
GI	none	Score	55
Exons	2907..2987, 2986..3255, 2987..3265, 3149..3265		

Seq. No.	32688	Seq. ID	OJ990728_08.0114.C4
Gene No.	67802	Strand	+
Start	83	End	4149
Name	OJ990728_08.0114.C4.o1.tm	Method	TBLASTX:Maize
Start	3292	End	3676
GI	none	Score	358
Exons	3292..3657, 3293..3676		

Seq. No.	32688	Seq. ID	OJ990728_08.0114.C4
Gene No.	67802	Strand	+
Start	83	End	4149
Name	OJ990728_08.0114.C4.o2.tw	Method	TBLASTX:Wheat
Start	3349	End	3774
GI	none	Score	493
Exons	3349..3774, 3350..3772		

Seq. No.	32688	Seq. ID	OJ990728_08.0114.C4
Gene No.	67802	Strand	+
Start	83	End	4149
Name	OJ990728_08.0114.C4.o1.ts	Method	TBLASTX:Soybean
Start	3428	End	3799
GI	none	Score	275
Exons	3428..3799, 3445..3588		

Seq. No.	32689	Seq. ID	OJ990728_08.0114.C5
Gene No.	67803	Strand	+
Start	1	End	777
Name	OJ990728_08.0114.C5.o1.np	Method	AAT/NAP
Start	1	End	774
GI	6498441	Score	1114
Exons	1..400, 495..774		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32689	Seq. ID	OJ990728_08.0114.C5
Gene No.	67803	Strand	+
Start	1	End	777
Name	OJ990728_08.0114.C5.o1.gs	Method	GENSCAN
Start	75	End	777
GI	none	Score	.69
Exons	75..400, 480..616, 661..777		

Seq. No.	32689	Seq. ID	OJ990728_08.0114.C5
Gene No.	67804	Strand	-
Start	1397	End	3476
Name	OJ990728_08.0114.C5.o1.tw	Method	TBLASTX:Wheat
Start	9	End	363
GI	none	Score	286
Exons	9..260, 10..357, 97..363		

Seq. No.	32689	Seq. ID	OJ990728_08.0114.C5
Gene No.	67804	Strand	-
Start	1397	End	3476
Name	OJ990728_08.0114.C5.o2.gs	Method	GENSCAN
Start	1397	End	3453
GI	none	Score	.72

Exons	1397..1543, 1643..1819, 1860..2127, 2217..2599, 2750..3278, 3380..3453		
Seq. No.	32689	Seq. ID	OJ990728_08.0114.C5
Gene No.	67804	Strand	-
Start	1397	End	3476
Name	OJ990728_08.0114.C5.o2.np	Method	AAT/NAP
Start	1400	End	3476
GI	6907089	Score	2197
Exons	1400..3278, 3380..3476		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	32690	Seq. ID	OJ990728_08.0114.C6
Gene No.	67805	Strand	-
Start	1	End	2191
Name	OJ990728_08.0114.C6.o1.np	Method	AAT/NAP
Start	1	End	473
GI	1710521	Score	206
Exons	1..299, 387..473		
GI Descrip.	60S RIBOSOMAL PROTEIN L24 gi|1154859|emb|CAA63960| (X94296) L24 ribosomal protein [Hordeum vulgare]		
Seq. No.	32690	Seq. ID	OJ990728_08.0114.C6
Gene No.	67805	Strand	-
Start	1	End	2191
Name	OJ990728_08.0114.C6.o1.gp	Method	AAT/GAP
Start	240	End	2038
GI	16970_1.R1084	Score	412
Exons	240..299, 387..462, 656..693, 1952..2038		
GI Descrip.	'1710521/sp|P50888|RL24_HORVU 4.0e-58 60S RIBOSOMAL PROTEIN L24 >gi_1154859_emb_CAA63960_ (X94296) L24 ribosomal protein [Hordeum vulgare]'		
Seq. No.	32690	Seq. ID	OJ990728_08.0114.C6
Gene No.	67805	Strand	-
Start	1	End	2191
Name	OJ990728_08.0114.C6.o1.tm	Method	TBLASTX:Maize
Start	240	End	465
GI	none	Score	95
Exons	240..302, 244..300, 244..303, 375..464, 385..462, 385..465		
Seq. No.	32690	Seq. ID	OJ990728_08.0114.C6
Gene No.	67805	Strand	-
Start	1	End	2191
Name	OJ990728_08.0114.C6.o1.tc	Method	TBLASTX:Cress
Start	240	End	465
GI	none	Score	60
Exons	240..302, 241..300, 372..464, 385..465		
Seq. No.	32690	Seq. ID	OJ990728_08.0114.C6
Gene No.	67805	Strand	-
Start	1	End	2191
Name	OJ990728_08.0114.C6.o1.tw	Method	TBLASTX:Wheat
Start	240	End	464
GI	none	Score	68
Exons	240..302, 243..302, 244..303, 375..464, 385..462		

Seq. No.	32690	Seq. ID	OJ990728_08.0114.C6
Gene No.	67805	Strand	-
Start	1	End	2191
Name	OJ990728_08.0114.C6.o1.ts	Method	TBLASTX:Soybean
Start	240	End	465
GI	none	Score	83
Exons	240..302, 241..300, 375..464, 385..465		

Seq. No.	32690	Seq. ID	OJ990728_08.0114.C6
Gene No.	67805	Strand	-
Start	1	End	2191
Name	OJ990728_08.0114.C6.o1.gs	Method	GENSCAN
Start	1769	End	2191
GI	none	Score	.9
Exons	1769..2191		

Seq. No.	32691	Seq. ID	OJ990728_08.0114.C7
Gene No.	67806	Strand	+
Start	137	End	2022
Name	OJ990728_08.0114.C7.o1.gs	Method	GENSCAN
Start	137	End	2022
GI	none	Score	.64
Exons	137..273, 1053..1088, 1929..2022		

Seq. No.	32691	Seq. ID	OJ990728_08.0114.C7
Gene No.	67807	Strand	+
Start	3130	End	4342
Name	OJ990728_08.0114.C7.o2.gs	Method	GENSCAN
Start	3130	End	4342
GI	none	Score	.87
Exons	3130..3214, 3307..3405, 4278..4342		

Seq. No.	32691	Seq. ID	OJ990728_08.0114.C7
Gene No.	67808	Strand	+
Start	5792	End	6660
Name	OJ990728_08.0114.C7.o3.gs	Method	GENSCAN
Start	5792	End	6660
GI	none	Score	.48
Exons	5792..5876, 5968..6044, 6232..6660		

Seq. No.	32691	Seq. ID	OJ990728_08.0114.C7
Gene No.	67809	Strand	+
Start	8831	End	9855
Name	OJ990728_08.0114.C7.o2.np	Method	AAT/NAP
Start	8831	End	9855
GI	6907089	Score	1667
Exons	8831..9855		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32691	Seq. ID	OJ990728_08.0114.C7
Gene No.	67809	Strand	+
Start	8831	End	9855
Name	OJ990728_08.0114.C7.o5.gs	Method	GENSCAN
Start	8831	End	9730
GI	none	Score	.47
Exons	8831..9730		

Seq. No.	32691	Seq. ID	OJ990728_08.0114.C7
Gene No.	67810	Strand	-
Start	7037	End	7806
Name	OJ990728_08.0114.C7.o4.gs	Method	GENSCAN
Start	7037	End	7806
GI	none	Score	.58
Exons	7037..7185, 7210..7278, 7746..7806		

Seq. No.	32692	Seq. ID	OJ990728_08.0114.C8
Gene No.	67811	Strand	+
Start	1	End	2681
Name	OJ990728_08.0114.C8.o1.np	Method	AAT/NAP
Start	1	End	2681
GI	91206	Score	75
Exons	1..103, 1556..1690, 2136..2237, 2606..2681		
GI Descrip.	proline-rich protein - mouse (fragment) gi|200543 (M19419) proline-rich salivary protein [Mus musculus]		

Seq. No.	32692	Seq. ID	OJ990728_08.0114.C8
Gene No.	67812	Strand	-
Start	1094	End	3541
Name	OJ990728_08.0114.C8.o1.gs	Method	GENSCAN
Start	1094	End	3541
GI	none	Score	.56
Exons	1094..1171, 1660..1938, 3458..3541		

Seq. No.	32693	Seq. ID	OJ990728_08.0114.C9
Gene No.	67813	Strand	+
Start	106	End	2781
Name	OJ990728_08.0114.C9.o1.np	Method	AAT/NAP
Start	106	End	2461
GI	6721519	Score	87
Exons	106..146, 312..370, 581..751, 2207..2461		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32693	Seq. ID	OJ990728_08.0114.C9
Gene No.	67813	Strand	+
Start	106	End	2781
Name	OJ990728_08.0114.C9.o1.gs	Method	GENSCAN
Start	833	End	1491
GI	none	Score	.9
Exons	833..940, 1054..1131, 1238..1491		

Seq. No.	32693	Seq. ID	OJ990728_08.0114.C9
Gene No.	67813	Strand	+
Start	106	End	2781
Name	OJ990728_08.0114.C9.o1.gp	Method	AAT/GAP
Start	1733	End	2781
GI	72738_1.R1084	Score	1382
Exons	1733..1971, 2088..2149, 2359..2781		
GI Descrip.	'1877026/dbj|BAA11351| 3.0e-42 (D78336) ribosomal protein S19 [Oryza sativa]'		

Seq. No.	32693	Seq. ID	OJ990728_08.0114.C9
Gene No.	67813	Strand	+
Start	106	End	2781

Name	OJ990728_08.0114.C9.o2.gs	Method	GENSCAN
Start	1878	End	2584
GI	none	Score	.86
Exons	1878..1971, 2359..2441, 2477..2584		

Seq. No.	32694	Seq. ID	OJ990728_08.0114.C10
Gene No.	67814	Strand	+
Start	408	End	1641
Name	OJ990728_08.0114.C10.o1.gs	Method	GENSCAN
Start	408	End	1641
GI	none	Score	.68
Exons	408..456, 974..1128, 1411..1641		

Seq. No.	32694	Seq. ID	OJ990728_08.0114.C10
Gene No.	67815	Strand	-
Start	1	End	5577
Name	OJ990728_08.0114.C10.o1.np	Method	AAT/NAP
Start	1	End	5577
GI	188864	Score	71
Exons	1..43, 719..789, 818..1441, 4700..4943, 5097..5366, 5553..5577		
GI Descrip.	(M74027) mucin [Homo sapiens]		

Seq. No.	32695	Seq. ID	OJ990728_08.0114.C11
Gene No.	67816	Strand	+
Start	4135	End	4200
Name	OJ990728_08.0114.C11.o1.gp	Method	AAT/GAP
Start	4135	End	4200
GI	5607332	Score	77
Exons	4135..4200		
GI Descrip.	1877026/dbj|BAA11351| 3.0e-42 (D78336) ribosomal protein S19 [Oryza sativa]		

Seq. No.	32695	Seq. ID	OJ990728_08.0114.C11
Gene No.	67817	Strand	+
Start	4199	End	6875
Name	OJ990728_08.0114.C11.o2.np	Method	AAT/NAP
Start	4199	End	6875
GI	134045	Score	91
Exons	4199..4346, 6850..6875		
GI Descrip.	MITOCHONDRIAL RIBOSOMAL PROTEIN S3 gi|70869|pir||R3ZMS3 ribosomal protein S3 - maize mitochondrion gi|13921|emb|CAA40690| (X57445) mitochondrial S3-like ribosomal protein [Zea mays]		

Seq. No.	32695	Seq. ID	OJ990728_08.0114.C11
Gene No.	67818	Strand	+
Start	6988	End	8567
Name	OJ990728_08.0114.C11.o4.np	Method	AAT/NAP
Start	6988	End	8567
GI	3914451	Score	58
Exons	6988..7053, 7125..7280, 7802..7939, 8409..8567		
GI Descrip.	SALIVARY PROLINE-RICH PROTEIN II-1 gi|410694|bbs|137280 PRP II-1=secreted proline-rich protein [human, donor D.K., parotid saliva, Peptide, 174 aa]		

Seq. No.	32695	Seq. ID	OJ990728_08.0114.C11
Gene No.	67819	Strand	+

Start	9212	End	10006
Name	OJ990728_08.0114.C11.o3.gs	Method	GENSCAN
Start	9212	End	10006
GI	none	Score	.99
Exons	9212..9458, 9693..10006		

Seq. No.	32695	Seq. ID	OJ990728_08.0114.C11
Gene No.	67820	Strand	-
Start	1	End	628
Name	OJ990728_08.0114.C11.o1.np	Method	AAT/NAP
Start	1	End	628
GI	4234852	Score	581
Exons	1..628		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	32695	Seq. ID	OJ990728_08.0114.C11
Gene No.	67821	Strand	-
Start	5164	End	5536
Name	OJ990728_08.0114.C11.o2.gp	Method	AAT/GAP
Start	5164	End	5536
GI	67061_1.R1084	Score	722
Exons	5164..5536		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	32695	Seq. ID	OJ990728_08.0114.C11
Gene No.	67822	Strand	-
Start	5621	End	6271
Name	OJ990728_08.0114.C11.o3.np	Method	AAT/NAP
Start	5621	End	6271
GI	2493132	Score	159
Exons	5621..5684, 5812..5911, 6009..6064, 6229..6271		
GI Descrip.	VACUOLAR ATP SYNTHASE SUBUNIT B ISOFORM 2 (V-ATPASE B SUBUNIT) gi|167110 (L11873) vacuolar ATPase B subunit [Hordeum vulgare]		

Seq. No.	32695	Seq. ID	OJ990728_08.0114.C11
Gene No.	67822	Strand	-
Start	5621	End	6271
Name	OJ990728_08.0114.C11.o1.tm	Method	TBLASTX:Maize
Start	5628	End	6057
GI	none	Score	83
Exons	5628..5687, 5629..5685, 5630..5710, 5797..5910, 5824..5907, 5825..5917, 5829..5918, 6007..6057, 6009..6056, 6010..6057		

Seq. No.	32696	Seq. ID	OJ990728_08.0114.C12
Gene No.	67823	Strand	+
Start	131	End	201
Name	OJ990728_08.0114.C12.o1.gs	Method	GENSCAN
Start	131	End	201
GI	none	Score	.62
Exons	131..201		

Seq. No.	32696	Seq. ID	OJ990728_08.0114.C12
Gene No.	67824	Strand	+
Start	3203	End	5936
Name	OJ990728_08.0114.C12.o3.gs	Method	GENSCAN
Start	3203	End	5936

GI	none	Score	.63
Exons	3203..3529, 4407..4565, 4637..4754, 5434..5936		

Seq. No.	32696	Seq. ID	OJ990728_08.0114.C12
Gene No.	67825	Strand	+
Start	10966	End	11458
Name	OJ990728_08.0114.C12.o2.gp	Method	AAT/GAP
Start	10966	End	11458
GI	576771	Score	843
Exons	10966..11221, 11248..11458		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	32696	Seq. ID	OJ990728_08.0114.C12
Gene No.	67826	Strand	-
Start	1267	End	2907
Name	OJ990728_08.0114.C12.o2.gs	Method	GENSCAN
Start	1267	End	2897
GI	none	Score	.88
Exons	1267..2170, 2346..2408, 2585..2711, 2858..2897		

Seq. No.	32696	Seq. ID	OJ990728_08.0114.C12
Gene No.	67826	Strand	-
Start	1267	End	2907
Name	OJ990728_08.0114.C12.o1.gp	Method	AAT/GAP
Start	2052	End	2907
GI	uC-osflcyp107g11b1	Score	906
Exons	2052..2170, 2346..2408, 2585..2907		
GI Descrip.	'4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]'		

Seq. No.	32696	Seq. ID	OJ990728_08.0114.C12
Gene No.	67827	Strand	-
Start	3275	End	11215
Name	OJ990728_08.0114.C12.o1.tm	Method	TBLASTX:Maize
Start	1394	End	1929
GI	none	Score	56
Exons	1394..1447, 1567..1719, 1567..1896, 1568..1810, 1889..1927, 1897..1929		

Seq. No.	32696	Seq. ID	OJ990728_08.0114.C12
Gene No.	67827	Strand	-
Start	3275	End	11215
Name	OJ990728_08.0114.C12.o1.np	Method	AAT/NAP
Start	3275	End	10445
GI	5257279	Score	969
Exons	3275..3514, 7825..8933, 9538..9805, 9971..10445		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	32696	Seq. ID	OJ990728_08.0114.C12
Gene No.	67827	Strand	-
Start	3275	End	11215
Name	OJ990728_08.0114.C12.o2.tw	Method	TBLASTX:Wheat
Start	7877	End	8296
GI	none	Score	79
Exons	7877..8179, 7911..8105, 8240..8296		

Seq. No.	32696	Seq. ID	OJ990728_08.0114.C12
Gene No.	67827	Strand	-
Start	3275	End	11215
Name	OJ990728_08.0114.C12.o4.gs	Method	GENSCAN
Start	8003	End	9118
GI	none	Score	.61
Exons	8003..9118		

Seq. No.	32696	Seq. ID	OJ990728_08.0114.C12
Gene No.	67827	Strand	-
Start	3275	End	11215
Name	OJ990728_08.0114.C12.o1.tw	Method	TBLASTX:Wheat
Start	8621	End	8986
GI	none	Score	57
Exons	8621..8764, 8622..8723, 8789..8986, 8802..8963		

Seq. No.	32696	Seq. ID	OJ990728_08.0114.C12
Gene No.	67827	Strand	-
Start	3275	End	11215
Name	OJ990728_08.0114.C12.o5.gs	Method	GENSCAN
Start	9342	End	11215
GI	none	Score	.98
Exons	9342..9885, 10177..10485, 11175..11215		

Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67828	Strand	+
Start	1	End	3385
Name	OJ990728_08.0114.C13.o1.np	Method	AAT/NAP
Start	1	End	3385
GI	6815072	Score	104
Exons	1..27, 1248..1512, 3368..3385		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67828	Strand	+
Start	1	End	3385
Name	OJ990728_08.0114.C13.o2.np	Method	AAT/NAP
Start	1644	End	2572
GI	6862922	Score	233
Exons	1644..1768, 1876..2209, 2238..2435, 2530..2572		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67828	Strand	+
Start	1	End	3385
Name	OJ990728_08.0114.C13.o1.gs	Method	GENSCAN
Start	1714	End	2439
GI	none	Score	.96
Exons	1714..2439		

Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67829	Strand	-
Start	3622	End	5715
Name	OJ990728_08.0114.C13.o2.gs	Method	GENSCAN
Start	3622	End	5413
GI	none	Score	.87

Exons	3622..4359, 5357..5413		
Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67829	Strand	-
Start	3622	End	5715
Name	OJ990728_08.0114.C13.o3.np	Method	AAT/NAP
Start	3625	End	5715
GI	6223653	Score	606
Exons	3625..3747, 3808..4359, 4909..4978, 5056..5128, 5209..5276, 5357..5433, 5505..5715		
GI Descrip.	(AC011698) transfactor-like [Arabidopsis thaliana]		
Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67830	Strand	-
Start	12449	End	13123
Name	OJ990728_08.0114.C13.o3.tc	Method	TBLASTX:Cress
Start	2119	End	2444
GI	none	Score	122
Exons	2119..2208, 2130..2204, 2308..2409, 2322..2444		
Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67830	Strand	-
Start	12449	End	13123
Name	OJ990728_08.0114.C13.o3.ts	Method	TBLASTX:Soybean
Start	2125	End	2432
GI	none	Score	125
Exons	2125..2208, 2130..2204, 2293..2409, 2322..2432		
Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67830	Strand	-
Start	12449	End	13123
Name	OJ990728_08.0114.C13.o2.tm	Method	TBLASTX:Maize
Start	3526	End	3782
GI	none	Score	86
Exons	3526..3618, 3529..3618, 3602..3655, 3618..3764, 3621..3665, 3622..3777, 3711..3782, 3736..3771		
Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67830	Strand	-
Start	12449	End	13123
Name	OJ990728_08.0114.C13.o2.ts	Method	TBLASTX:Soybean
Start	5223	End	5673
GI	none	Score	65
Exons	5223..5279, 5354..5428, 5357..5434, 5361..5432, 5504..5668, 5506..5673		
Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67830	Strand	-
Start	12449	End	13123
Name	OJ990728_08.0114.C13.o2.tc	Method	TBLASTX:Cress
Start	5253	End	5718
GI	none	Score	41
Exons	5253..5276, 5254..5280, 5360..5434, 5361..5432, 5504..5626, 5506..5637, 5506..5625, 5617..5718, 5627..5701		
Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67830	Strand	-

Start	12449	End	13123
Name	OJ990728_08.0114.C13.o3.tm	Method	TBLASTX:Maize
Start	5357	End	5607
GI	none	Score	85
Exons	5357..5434, 5358..5432, 5504..5605, 5506..5607		

Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67830	Strand	-
Start	12449	End	13123
Name	OJ990728_08.0114.C13.o1.tm	Method	TBLASTX:Maize
Start	12438	End	12913
GI	none	Score	393
Exons	12438..12839, 12451..12912, 12453..12908, 12707..12913		

Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67830	Strand	-
Start	12449	End	13123
Name	OJ990728_08.0114.C13.o4.np	Method	AAT/NAP
Start	12449	End	13123
GI	4204263	Score	356
Exons	12449..12972, 13003..13123		
GI Descrip.	(AC005223) 40409 [Arabidopsis thaliana]		

Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67830	Strand	-
Start	12449	End	13123
Name	OJ990728_08.0114.C13.o1.ts	Method	TBLASTX:Soybean
Start	12619	End	12898
GI	none	Score	137
Exons	12619..12897, 12688..12894, 12713..12898		

Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67830	Strand	-
Start	12449	End	13123
Name	OJ990728_08.0114.C13.o1.tc	Method	TBLASTX:Cress
Start	12682	End	12906
GI	none	Score	125
Exons	12682..12906, 12697..12897, 12713..12904		

Seq. No.	32697	Seq. ID	OJ990728_08.0114.C13
Gene No.	67830	Strand	-
Start	12449	End	13123
Name	OJ990728_08.0114.C13.o1.tw	Method	TBLASTX:Wheat
Start	12748	End	13112
GI	none	Score	240
Exons	12748..13101, 12748..13101, 12903..13112		

Seq. No.	32698	Seq. ID	OJ990728_08.0114.C14
Gene No.	67831	Strand	-
Start	70	End	642
Name	OJ990728_08.0114.C14.o1.gs	Method	GENSCAN
Start	70	End	642
GI	none	Score	.75
Exons	70..232, 509..642		

Seq. No.	32698	Seq. ID	OJ990728_08.0114.C14
Gene No.	67831	Strand	-

Start	70	End	642
Name	OJ990728_08.0114.C14.o1.gp	Method	AAT/GAP
Start	492	End	585
GI	2428691	Score	133
Exons	492..585		
GI Descrip.	4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]		

Seq. No.	32699	Seq. ID	OJ990728_08.0114.C15
Gene No.	67832	Strand	+
Start	125	End	3291
Name	OJ990728_08.0114.C15.o1.gs	Method	GENSCAN
Start	125	End	3001
GI	none	Score	.76
Exons	125..271, 404..600, 1092..1182, 1337..1414, 1546..1626, 1716..1805, 2440..2505, 2665..2769, 2909..3001		

Seq. No.	32699	Seq. ID	OJ990728_08.0114.C15
Gene No.	67832	Strand	+
Start	125	End	3291
Name	OJ990728_08.0114.C15.o1.gp	Method	AAT/GAP
Start	382	End	531
GI	454555	Score	253
Exons	382..531		

Seq. No.	32699	Seq. ID	OJ990728_08.0114.C15
Gene No.	67832	Strand	+
Start	125	End	3291
Name	OJ990728_08.0114.C15.o1.np	Method	AAT/NAP
Start	480	End	2998
GI	4336205	Score	1042
Exons	480..600, 855..996, 1092..1182, 1337..1414, 1546..1626, 1716..1805, 2440..2505, 2683..2769, 2909..2998		
GI Descrip.	(AF077372) cytochrome b5 reductase [Zea mays]		

Seq. No.	32699	Seq. ID	OJ990728_08.0114.C15
Gene No.	67832	Strand	+
Start	125	End	3291
Name	OJ990728_08.0114.C15.o2.gp	Method	AAT/GAP
Start	1297	End	3291
GI	19336_1.R1084	Score	1393
Exons	1297..1414, 1546..1626, 1716..1805, 2440..2505, 2683..2769, 2909..3291		
GI Descrip.	'4336205/gb|AAD17694| 3.0e-44 (AF077372) cytochrome b5 reductase [Zea mays]'		

Seq. No.	32699	Seq. ID	OJ990728_08.0114.C15
Gene No.	67833	Strand	+
Start	6226	End	6536
Name	OJ990728_08.0114.C15.o3.gp	Method	AAT/GAP
Start	6226	End	6536
GI	none	Score	590
Exons	6226..6536		

Seq. No.	32699	Seq. ID	OJ990728_08.0114.C15
Gene No.	67834	Strand	-
Start	4347	End	6491
Name	OJ990728_08.0114.C15.o1.tm	Method	TBLASTX:Maize

Start	847	End	1185
GI	none	Score	251
Exons	847..996, 848..997, 865..1005, 912..1004, 1084..1185, 1087..1185		

Seq. No.	32699	Seq. ID	OJ990728_08.0114.C15
Gene No.	67834	Strand	-
Start	4347	End	6491
Name	OJ990728_08.0114.C15.o1.tw	Method	TBLASTX:Wheat
Start	847	End	2742
GI	none	Score	246
Exons	847..996, 848..997, 1084..1185, 1086..1193, 1328..1414, 1334..1414, 1335..1415, 1545..1628, 1545..1628, 1546..1629, 1703..1807, 1704..1805, 1720..1809, 1721..1807, 2434..2505, 2439..2531, 2679..2732, 2680..2742, 2682..2738		

Seq. No.	32699	Seq. ID	OJ990728_08.0114.C15
Gene No.	67834	Strand	-
Start	4347	End	6491
Name	OJ990728_08.0114.C15.o1.ts	Method	TBLASTX:Soybean
Start	853	End	3066
GI	none	Score	224
Exons	853..996, 854..997, 914..997, 1084..1185, 1086..1187, 1328..1414, 1334..1414, 1541..1627, 1543..1626, 1545..1628, 1545..1628, 1546..1629, 1703..1807, 1704..1805, 1723..1806, 1735..1809, 1736..1807, 2434..2505, 2679..2747, 2680..2772, 2682..2765, 2906..3010, 2908..3015, 2908..2997, 3031..3066		

Seq. No.	32699	Seq. ID	OJ990728_08.0114.C15
Gene No.	67834	Strand	-
Start	4347	End	6491
Name	OJ990728_08.0114.C15.o1.tc	Method	TBLASTX:Cress
Start	857	End	3004
GI	none	Score	210
Exons	857..997, 859..996, 911..997, 1084..1185, 1086..1187, 1318..1410, 1328..1426, 1334..1414, 1545..1628, 1545..1628, 1546..1629, 1703..1807, 1704..1805, 1704..1808, 1723..1812, 2434..2505, 2666..2767, 2677..2769, 2680..2772, 2904..2999, 2905..3000, 2905..2997, 2906..3004, 2915..2998		

Seq. No.	32699	Seq. ID	OJ990728_08.0114.C15
Gene No.	67834	Strand	-
Start	4347	End	6491
Name	OJ990728_08.0114.C15.o2.tm	Method	TBLASTX:Maize
Start	1318	End	3018
GI	none	Score	141
Exons	1318..1413, 1334..1414, 1334..1441, 1543..1626, 1545..1628, 1545..1628, 1546..1629, 1704..1805, 1710..1799, 1715..1807, 1721..1807, 2434..2505, 2679..2768, 2680..2772, 2682..2768, 2880..3002, 2886..3002, 2905..3003, 2905..3018, 2906..3004		

Seq. No.	32699	Seq. ID	OJ990728_08.0114.C15
Gene No.	67834	Strand	-
Start	4347	End	6491
Name	OJ990728_08.0114.C15.o2.gs	Method	GENSCAN
Start	4347	End	6491
GI	none	Score	.4
Exons	4347..4476, 6325..6491		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67835	Strand	+
Start	219	End	11379
Name	OJ990728_08.0114.C16.o1.np	Method	AAT/NAP
Start	219	End	4011
GI	4056496	Score	796
Exons	219..331, 527..755, 1076..1209, 1651..1841, 1935..2043, 2245..2393, 2782..2920, 3864..4011		
GI Descrip.	(AC005896) unknown protein [Arabidopsis thaliana]		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67835	Strand	+
Start	219	End	11379
Name	OJ990728_08.0114.C16.o1.gs	Method	GENSCAN
Start	227	End	11379
GI	none	Score	.73
Exons	227..331, 585..1209, 1651..1841, 1935..2043, 2245..2393, 2782..3008, 5401..5848, 5950..6007, 6143..6247, 6489..6546, 7026..7201, 7306..7441, 7549..7812, 8933..9216, 10269..10454, 11209..11379		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67835	Strand	+
Start	219	End	11379
Name	OJ990728_08.0114.C16.o1.gp	Method	AAT/GAP
Start	1935	End	2974
GI	LIB3433-061-P1-K1-D1	Score	813
Exons	1935..2043, 2245..2393, 2782..2974		
GI Descrip.	'4263717/gb|AAD15403| 4.0e-47 (AC006223) putative inositol polyphosphate 5-phosphatase [Arabidopsis thaliana]'		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67835	Strand	+
Start	219	End	11379
Name	OJ990728_08.0114.C16.o2.np	Method	AAT/NAP
Start	5652	End	7841
GI	6437556	Score	757
Exons	5652..5736, 5796..5848, 5950..6007, 6143..6247, 6489..6546, 7026..7208, 7549..7841		
GI Descrip.	(AC011623) unknown protein [Arabidopsis thaliana]		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67835	Strand	+
Start	219	End	11379
Name	OJ990728_08.0114.C16.o3.gp	Method	AAT/GAP
Start	5717	End	7113
GI	LIB3433-055-P1-K1-A4	Score	594
Exons	5717..5741, 5798..5848, 5950..6007, 6143..6247, 6489..6546, 7026..7113		
GI Descrip.	'2435511 3.0e-25 (AF024504) contains similarity to prolyl 4-hydroxylase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67836	Strand	-
Start	4247	End	4487
Name	OJ990728_08.0114.C16.o2.gp	Method	AAT/GAP

Start	4247	End	4487
GI	28898_2.R1084	Score	368
Exons	4247..4487		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67837	Strand	-
Start	10682	End	12268
Name	OJ990728_08.0114.C16.o3.np	Method	AAT/NAP
Start	10682	End	12170
GI	3885343	Score	204
Exons	10682..10775, 11792..12170		
GI Descrip.	(AC005623) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67837	Strand	-
Start	10682	End	12268
Name	OJ990728_08.0114.C16.o4.gp	Method	AAT/GAP
Start	11261	End	12268
GI	29309_1.R1084	Score	1005
Exons	11261..11339, 11798..12268		
GI Descrip.	'4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]'		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67837	Strand	-
Start	10682	End	12268
Name	OJ990728_08.0114.C16.o2.gs	Method	GENSCAN
Start	11778	End	12194
GI	none	Score	.71
Exons	11778..12194		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o2.tc	Method	TBLASTX:Cress
Start	224	End	2911
GI	none	Score	100
Exons	224..331, 225..332, 589..720, 1075..1209, 1090..1209, 1648..1842, 1936..2049, 1936..2043, 2242..2379, 2244..2378, 2783..2911		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o2.tm	Method	TBLASTX:Maize
Start	850	End	1691
GI	none	Score	167
Exons	850..966, 852..965, 856..984, 860..985, 999..1172, 1006..1209, 1042..1209, 1650..1691		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o3.ts	Method	TBLASTX:Soybean
Start	1072	End	2004
GI	none	Score	158

Exons	1072..1209, 1099..1209, 1648..1797, 1650..1718, 1936..2004		
Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o5.tm	Method	TBLASTX:Maize
Start	1693	End	2340
GI	none	Score	141
Exons	1693..1815, 1936..2058, 2226..2339, 2242..2340, 2244..2339		
Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o4.ts	Method	TBLASTX:Soybean
Start	2242	End	2854
GI	none	Score	196
Exons	2242..2394, 2250..2399, 2710..2853, 2783..2854		
Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o4.tm	Method	TBLASTX:Maize
Start	2341	End	2998
GI	none	Score	93
Exons	2341..2394, 2343..2399, 2749..2970, 2762..2998, 2783..2971		
Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o1.tm	Method	TBLASTX:Maize
Start	5783	End	7847
GI	none	Score	104
Exons	5783..5848, 5784..5849, 5947..6015, 5948..6016, 6142..6249, 6143..6247, 6145..6249, 6479..6556, 6489..6545, 7020..7130, 7024..7203, 7025..7201, 7397..7441, 7543..7833, 7545..7844, 7547..7843, 7548..7847		
Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o1.ts	Method	TBLASTX:Soybean
Start	5805	End	7858
GI	none	Score	51
Exons	5805..5849, 5948..6016, 6142..6240, 6143..6247, 6488..6556, 6489..6545, 7020..7133, 7024..7203, 7025..7201, 7405..7440, 7410..7439, 7541..7858, 7545..7847, 7547..7855		
Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o1.tc	Method	TBLASTX:Cress
Start	6142	End	7847
GI	none	Score	104
Exons	6142..6240, 6143..6247, 6485..6556, 6489..6545, 7024..7212, 7025..7201, 7545..7844, 7547..7834, 7548..7847		
Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16

Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o2.ts	Method	TBLASTX:Soybean
Start	11799	End	12042
GI	none	Score	135
Exons	11799..11903, 11901..12041, 11905..12042		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o3.tm	Method	TBLASTX:Maize
Start	11853	End	12050
GI	none	Score	233
Exons	11853..12050, 11854..12045		

Seq. No.	32700	Seq. ID	OJ990728_08.0114.C16
Gene No.	67838	Strand	-
Start	13634	End	14163
Name	OJ990728_08.0114.C16.o3.gs	Method	GENSCAN
Start	13634	End	14163
GI	none	Score	.58
Exons	13634..13669, 14041..14163		

Seq. No.	32701	Seq. ID	OJ990728_08.0114.C18
Gene No.	67839	Strand	+
Start	1	End	2393
Name	OJ990728_08.0114.C18.o1.np	Method	AAT/NAP
Start	1	End	2393
GI	3319345	Score	386
Exons	1..1042, 2317..2393		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	32701	Seq. ID	OJ990728_08.0114.C18
Gene No.	67839	Strand	+
Start	1	End	2393
Name	OJ990728_08.0114.C18.o1.gs	Method	GENSCAN
Start	762	End	1613
GI	none	Score	.69
Exons	762..1126, 1211..1303, 1395..1613		

Seq. No.	32701	Seq. ID	OJ990728_08.0114.C18
Gene No.	67840	Strand	-
Start	2000	End	7256
Name	OJ990728_08.0114.C18.o2.gs	Method	GENSCAN
Start	2000	End	7110
GI	none	Score	.84
Exons	2000..2025, 2108..2345, 2438..2740, 3285..3539, 3612..3760, 3929..4031, 4338..4421, 5056..5137, 5445..5563, 5905..6024, 6352..6422, 6950..7110		

Seq. No.	32701	Seq. ID	OJ990728_08.0114.C18
Gene No.	67840	Strand	-
Start	2000	End	7256
Name	OJ990728_08.0114.C18.o1.gp	Method	AAT/GAP
Start	4378	End	7110
GI	452_1.R1084	Score	2063

Exons	4378..4932, 5056..5137, 5445..5563, 5905..6024, 6352..6422, 6950..7110		
GI Descrip.	'1703380/sp|P51823|ARF_ORYSA 1.0e-101 ADP-RIBOSYLATION FACTOR >gi_1132483_dbj_BAA04607_ (D17760) ADP-ribosylation factor [Oryza sativa]'		
Seq. No.	32701	Seq. ID	OJ990728_08.0114.C18
Gene No.	67840	Strand	-
Start	2000	End	7256
Name	OJ990728_08.0114.C18.o2.tw	Method	TBLASTX:Wheat
Start	5033	End	5990
GI	none	Score	110
Exons	5033..5137, 5049..5138, 5050..5142, 5056..5142, 5425..5526, 5439..5525, 5441..5566, 5442..5537, 5904..5990, 5905..5988		
Seq. No.	32701	Seq. ID	OJ990728_08.0114.C18
Gene No.	67840	Strand	-
Start	2000	End	7256
Name	OJ990728_08.0114.C18.o1.ts	Method	TBLASTX:Soybean
Start	5049	End	7112
GI	none	Score	109
Exons	5049..5138, 5054..5137, 5056..5142, 5441..5566, 5442..5537, 5904..6014, 5904..6017, 5905..6027, 5905..6027, 6341..6415, 6346..6429, 6353..6430, 6948..7112, 6949..7110		
Seq. No.	32701	Seq. ID	OJ990728_08.0114.C18
Gene No.	67840	Strand	-
Start	2000	End	7256
Name	OJ990728_08.0114.C18.o2.np	Method	AAT/NAP
Start	5053	End	7097
GI	1703380	Score	815
Exons	5053..5137, 5445..5563, 5905..6024, 6352..6422, 6950..7097		
GI Descrip.	ADP-RIBOSYLATION FACTOR gi|1132483|dbj|BAA04607| (D17760) ADP-ribosylation factor [Oryza sativa]		
Seq. No.	32701	Seq. ID	OJ990728_08.0114.C18
Gene No.	67840	Strand	-
Start	2000	End	7256
Name	OJ990728_08.0114.C18.o1.tc	Method	TBLASTX:Cress
Start	5054	End	7143
GI	none	Score	108
Exons	5054..5137, 5056..5142, 5057..5137, 5441..5527, 5441..5527, 5442..5531, 5528..5566, 5904..6014, 5905..6027, 5908..6027, 6341..6421, 6346..6429, 6353..6430, 6560..6583, 6948..7118, 6948..7136, 6949..7143		
Seq. No.	32701	Seq. ID	OJ990728_08.0114.C18
Gene No.	67840	Strand	-
Start	2000	End	7256
Name	OJ990728_08.0114.C18.o2.tm	Method	TBLASTX:Maize
Start	5056	End	6027
GI	none	Score	102
Exons	5056..5142, 5057..5185, 5064..5144, 5441..5566, 5442..5537, 5443..5574, 5904..6026, 5905..6027, 5905..6027		
Seq. No.	32701	Seq. ID	OJ990728_08.0114.C18
Gene No.	67840	Strand	-

Start	2000	End	7256
Name	OJ990728_08.0114.C18.o1.tw	Method	TBLASTX:Wheat
Start	5990	End	7112
GI	none	Score	64
Exons	5990..6025, 5990..6025, 5992..6027, 5992..6027, 6346..6429, 6347..6430, 6945..7106, 6948..7112, 6949..7110		

Seq. No.	32701	Seq. ID	OJ990728_08.0114.C18
Gene No.	67840	Strand	-
Start	2000	End	7256
Name	OJ990728_08.0114.C18.o1.tm	Method	TBLASTX:Maize
Start	6364	End	7256
GI	none	Score	91
Exons	6364..6429, 6365..6430, 6948..7103, 6949..7104, 7194..7256, 7195..7242		

Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67841	Strand	+
Start	2169	End	2590
Name	OJ990728_08.0114.C19.o2.gp	Method	AAT/GAP
Start	2169	End	2590
GI	uC-osf1cyp106h06a1	Score	392
Exons	2169..2285, 2475..2590		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67842	Strand	+
Start	2874	End	4992
Name	OJ990728_08.0114.C19.o1.np	Method	AAT/NAP
Start	2874	End	4992
GI	3273764	Score	459
Exons	2874..3083, 3123..3470, 3769..3840, 4915..4992		
GI Descrip.	(AF061870) Dc3 promoter-binding factor-3 [Helianthus annuus]		

Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67843	Strand	+
Start	6123	End	6646
Name	OJ990728_08.0114.C19.o3.gp	Method	AAT/GAP
Start	6123	End	6646
GI	LIB3434-029-P1-K1-D5	Score	942
Exons	6123..6646		
GI Descrip.	'9611/emb|X00593|LPH3H4 8.0e-09 Lytechinus pictus H3 and H4 gene'		

Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67844	Strand	-
Start	766	End	14211
Name	OJ990728_08.0114.C19.o1.gs	Method	GENSCAN
Start	766	End	14211
GI	none	Score	.52
Exons	766..970, 2208..2355, 2555..3176, 3775..3804, 6228..6489, 6574..6652, 7743..7818, 8256..8330, 8425..8555, 9097..9124, 9243..9268, 9393..9553, 10833..11005, 11136..11195, 11385..11592, 12033..12265, 13368..13422, 13505..14211		

Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67844	Strand	-
Start	766	End	14211
Name	OJ990728_08.0114.C19.o4.gp	Method	AAT/GAP
Start	7081	End	7818
GI	3762651	Score	700
Exons	7081..7385, 7743..7818		
GI Descrip.	9611/emb|X00593|LPH3H4 8.0e-09 Lytechinus pictus H3 and H4 gene		

Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67844	Strand	-
Start	766	End	14211
Name	OJ990728_08.0114.C19.o2.np	Method	AAT/NAP
Start	10832	End	14211
GI	860676	Score	1883
Exons	10832..11005, 11136..11195, 11385..11592, 12033..12265, 12361..12471, 13368..13422, 13505..14211		
GI Descrip.	(U24188) calcium/calmodulin-dependent protein kinase [Lilium longiflorum] gi|1097385|prf||2113422A Ca/calmodulin-dependent protein kinase [Lilium longiflorum]		

Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67845	Strand	-
Start	15219	End	15579
Name	OJ990728_08.0114.C19.o1.tm	Method	TBLASTX:Maize
Start	2681	End	3475
GI	none	Score	78
Exons	2681..2809, 2681..2824, 2706..2825, 2874..3086, 2891..3106, 3155..3178, 3156..3197, 3229..3291, 3272..3361, 3300..3470, 3300..3470, 3407..3475		

Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67845	Strand	-
Start	15219	End	15579
Name	OJ990728_08.0114.C19.o1.tw	Method	TBLASTX:Wheat
Start	3030	End	3381
GI	none	Score	57
Exons	3030..3119, 3038..3085, 3039..3086, 3063..3128, 3064..3129, 3155..3187, 3156..3188, 3182..3376, 3192..3380, 3193..3381		

Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67845	Strand	-
Start	15219	End	15579
Name	OJ990728_08.0114.C19.o2.ts	Method	TBLASTX:Soybean
Start	10835	End	12426
GI	none	Score	101
Exons	10835..10996, 10835..11008, 10836..11009, 11136..11213, 11140..11208, 11380..11613, 11382..11591, 11386..11592, 11612..11680, 12023..12265, 12027..12263, 12358..12426		

Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67845	Strand	-
Start	15219	End	15579
Name	OJ990728_08.0114.C19.o3.tm	Method	TBLASTX:Maize
Start	10835	End	11016
GI	none	Score	200

Exons	10835..11008, 10836..11006, 10838..11008, 10933..11016		
Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67845	Strand	-
Start	15219	End	15579
Name	OJ990728_08.0114.C19.o1.tc	Method	TBLASTX:Cress
Start	10868	End	13947
GI	none	Score	118
Exons	10868..10957, 12358..12480, 13504..13572, 13567..13947, 13577..13855, 13651..13944		
Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67845	Strand	-
Start	15219	End	15579
Name	OJ990728_08.0114.C19.o2.tm	Method	TBLASTX:Maize
Start	12394	End	13839
GI	none	Score	45
Exons	12394..12483, 13359..13418, 13375..13422, 13501..13839, 13502..13834		
Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67845	Strand	-
Start	15219	End	15579
Name	OJ990728_08.0114.C19.o1.ts	Method	TBLASTX:Soybean
Start	13531	End	13839
GI	none	Score	248
Exons	13531..13839, 13532..13834, 13579..13839		
Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67845	Strand	-
Start	15219	End	15579
Name	OJ990728_08.0114.C19.o2.tw	Method	TBLASTX:Wheat
Start	13684	End	13947
GI	none	Score	86
Exons	13684..13947, 13685..13849		
Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67845	Strand	-
Start	15219	End	15579
Name	OJ990728_08.0114.C19.o4.tm	Method	TBLASTX:Maize
Start	13840	End	13972
GI	none	Score	116
Exons	13840..13968, 13840..13971, 13841..13972		
Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67845	Strand	-
Start	15219	End	15579
Name	OJ990728_08.0114.C19.o2.gs	Method	GENSCAN
Start	15219	End	15530
GI	none	Score	.99
Exons	15219..15530		
Seq. No.	32702	Seq. ID	OJ990728_08.0114.C19
Gene No.	67845	Strand	-
Start	15219	End	15579
Name	OJ990728_08.0114.C19.o5.tm	Method	TBLASTX:Maize
Start	15425	End	15579

GI	none	Score	163
Exons	15425..15577, 15444..15578, 15453..15578, 15454..15579		

Seq. No.	32703	Seq. ID	OJ990728_08.0114.C20
Gene No.	67846	Strand	+
Start	1	End	458
Name	OJ990728_08.0114.C20.o1.np	Method	AAT/NAP
Start	1	End	458
GI	6498441	Score	742
Exons	1..458		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32703	Seq. ID	OJ990728_08.0114.C20
Gene No.	67846	Strand	+
Start	1	End	458
Name	OJ990728_08.0114.C20.o1.gs	Method	GENSCAN
Start	25	End	180
GI	none	Score	.68
Exons	25..180		

Seq. No.	32703	Seq. ID	OJ990728_08.0114.C20
Gene No.	67846	Strand	+
Start	1	End	458
Name	OJ990728_08.0114.C20.o1.tw	Method	TBLASTX:Wheat
Start	33	End	354
GI	none	Score	190
Exons	33..230, 55..243, 94..354		

Seq. No.	32704	Seq. ID	OJ990728_08.0114.C22
Gene No.	67847	Strand	+
Start	1	End	816
Name	OJ990728_08.0114.C22.o1.np	Method	AAT/NAP
Start	1	End	813
GI	6094049	Score	251
Exons	1..22, 392..493, 619..687, 776..813		
GI Descrip.	60S RIBOSOMAL PROTEIN L30 gi|2668750 (AF034949) ribosomal protein L30 [Zea mays]		

Seq. No.	32704	Seq. ID	OJ990728_08.0114.C22
Gene No.	67847	Strand	+
Start	1	End	816
Name	OJ990728_08.0114.C22.o1.gs	Method	GENSCAN
Start	392	End	816
GI	none	Score	.69
Exons	392..493, 619..741, 776..816		

Seq. No.	32704	Seq. ID	OJ990728_08.0114.C22
Gene No.	67848	Strand	-
Start	901	End	1118
Name	OJ990728_08.0114.C22.o1.tm	Method	TBLASTX:Maize
Start	369	End	1003
GI	none	Score	177
Exons	369..503, 391..495, 395..502, 608..685, 613..684, 618..695, 618..695, 620..697, 761..817, 774..821, 775..822, 926..952, 938..1003, 959..988		

Seq. No.	32704	Seq. ID	OJ990728_08.0114.C22
Gene No.	67848	Strand	-
Start	901	End	1118
Name	OJ990728_08.0114.C22.o1.tw	Method	TBLASTX:Wheat
Start	369	End	820
GI	none	Score	178
Exons	369..503, 391..495, 608..688, 618..695, 619..693, 774..818, 775..819, 776..820		

Seq. No.	32704	Seq. ID	OJ990728_08.0114.C22
Gene No.	67848	Strand	-
Start	901	End	1118
Name	OJ990728_08.0114.C22.o1.tc	Method	TBLASTX:Cress
Start	390	End	831
GI	none	Score	149
Exons	390..506, 391..495, 618..695, 620..697, 774..827, 775..831		

Seq. No.	32704	Seq. ID	OJ990728_08.0114.C22
Gene No.	67848	Strand	-
Start	901	End	1118
Name	OJ990728_08.0114.C22.o1.ts	Method	TBLASTX:Soybean
Start	390	End	825
GI	none	Score	81
Exons	390..494, 390..506, 391..495, 614..688, 618..695, 618..695, 620..697, 774..824, 775..816, 775..825		

Seq. No.	32704	Seq. ID	OJ990728_08.0114.C22
Gene No.	67848	Strand	-
Start	901	End	1118
Name	OJ990728_08.0114.C22.o1.gp	Method	AAT/GAP
Start	901	End	1118
GI	2799381	Score	359
Exons	901..1118		

Seq. No.	32705	Seq. ID	OJ990608_01.0103.C2
Gene No.	67849	Strand	+
Start	315	End	368
Name	OJ990608_01.0103.C2.o1.gs	Method	GENSCAN
Start	315	End	368
GI	none	Score	.69
Exons	315..368		

Seq. No.	32706	Seq. ID	OJ990608_01.0103.C3
Gene No.	67850	Strand	+
Start	124	End	197
Name	OJ990608_01.0103.C3.o1.gs	Method	GENSCAN
Start	124	End	197
GI	none	Score	.78
Exons	124..197		

Seq. No.	32707	Seq. ID	OJ990608_01.0103.C9
Gene No.	67851	Strand	+
Start	101	End	523
Name	OJ990608_01.0103.C9.o1.gs	Method	GENSCAN
Start	101	End	523
GI	none	Score	.85

Exons	101..523		
Seq. No.	32707	Seq. ID	OJ990608_01.0103.C9
Gene No.	67852	Strand	+
Start	475	End	547
Name	OJ990608_01.0103.C9.o1.gp	Method	AAT/GAP
Start	475	End	547
GI	61605_1.R1084	Score	89
Exons	475..547		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	32708	Seq. ID	OJ990608_01.0103.C10
Gene No.	67853	Strand	-
Start	323	End	371
Name	OJ990608_01.0103.C10.o1.gs	Method	GENSCAN
Start	323	End	371
GI	none	Score	.95
Exons	323..371		
Seq. No.	32709	Seq. ID	OJ990608_01.0103.C11
Gene No.	67854	Strand	+
Start	394	End	549
Name	OJ990608_01.0103.C11.o1.gs	Method	GENSCAN
Start	394	End	549
GI	none	Score	.48
Exons	394..549		
Seq. No.	32710	Seq. ID	OJ990608_01.0103.C12
Gene No.	67855	Strand	+
Start	257	End	305
Name	OJ990608_01.0103.C12.o1.gs	Method	GENSCAN
Start	257	End	305
GI	none	Score	.91
Exons	257..305		
Seq. No.	32711	Seq. ID	OJ990608_01.0103.C13
Gene No.	67856	Strand	+
Start	1	End	718
Name	OJ990608_01.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	718
GI	2586087	Score	568
Exons	1..718		
GI Descrip.	(U72724) receptor kinase-like protein [Oryza sativa]		
Seq. No.	32711	Seq. ID	OJ990608_01.0103.C13
Gene No.	67856	Strand	+
Start	1	End	718
Name	OJ990608_01.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	73	End	642
GI	none	Score	115
Exons	73..345, 76..303, 118..357, 150..245, 361..627, 460..642		
Seq. No.	32711	Seq. ID	OJ990608_01.0103.C13
Gene No.	67856	Strand	+
Start	1	End	718
Name	OJ990608_01.0103.C13.o1.tw	Method	TBLASTX:Wheat

Start	76	End	704
GI	none	Score	264
Exons	76..480, 150..431, 505..570, 678..704		

Seq. No.	32711	Seq. ID	OJ990608_01.0103.C13
Gene No.	67856	Strand	+
Start	1	End	718
Name	OJ990608_01.0103.C13.o1.gs	Method	GENSCAN
Start	234	End	385
GI	none	Score	.56
Exons	234..385		

Seq. No.	32712	Seq. ID	OJ990608_01.0103.C14
Gene No.	67857	Strand	-
Start	1	End	1761
Name	OJ990608_01.0103.C14.o1.np	Method	AAT/NAP
Start	1	End	1761
GI	2586083	Score	2349
Exons	1..1761		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	32712	Seq. ID	OJ990608_01.0103.C14
Gene No.	67857	Strand	-
Start	1	End	1761
Name	OJ990608_01.0103.C14.o1.gs	Method	GENSCAN
Start	99	End	1394
GI	none	Score	.6
Exons	99..1394		

Seq. No.	32712	Seq. ID	OJ990608_01.0103.C14
Gene No.	67857	Strand	-
Start	1	End	1761
Name	OJ990608_01.0103.C14.o1.ts	Method	TBLASTX:Soybean
Start	105	End	707
GI	none	Score	136
Exons	105..371, 187..348, 375..626, 634..690	393..587, 394..588, 618..707,	

Seq. No.	32712	Seq. ID	OJ990608_01.0103.C14
Gene No.	67857	Strand	-
Start	1	End	1761
Name	OJ990608_01.0103.C14.o1.tc	Method	TBLASTX:Cress
Start	165	End	1658
GI	none	Score	57
Exons	165..362, 378..434, 483..587, 973..1293, 975..1214, 975..1157, 975..1301, 975..1301, 975..1301, 975..1316, 976..1215, 1029..1301, 1029..1241, 1041..1115, 1044..1304, 1050..1307, 1188..1301, 1260..1301, 1308..1649, 1311..1652, 1311..1649, 1311..1607, 1326..1643, 1329..1658, 1329..1649, 1330..1449, 1338..1658, 1341..1658, 1347..1451, 1407..1649, 1452..1649	903..1157, 927..1307, 969..1301,	

Seq. No.	32712	Seq. ID	OJ990608_01.0103.C14
Gene No.	67857	Strand	-
Start	1	End	1761
Name	OJ990608_01.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	165	End	551

GI	none	Score	129
Exons	165..350, 382..546, 384..551		

Seq. No.	32712	Seq. ID	OJ990608_01.0103.C14
Gene No.	67857	Strand	-
Start	1	End	1761
Name	OJ990608_01.0103.C14.o2.ts	Method	TBLASTX:Soybean
Start	895	End	1658
GI	none	Score	88
Exons	895..1170, 969..1301, 969..1214, 975..1304, 975..1316, 1029..1304, 1029..1301, 1029..1103, 1050..1307, 1058..1144, 1120..1302, 1284..1658, 1305..1658, 1308..1601, 1311..1658, 1311..1649, 1329..1649, 1333..1428, 1336..1449, 1341..1658, 1393..1479, 1407..1658		

Seq. No.	32712	Seq. ID	OJ990608_01.0103.C14
Gene No.	67857	Strand	-
Start	1	End	1761
Name	OJ990608_01.0103.C14.o2.tm	Method	TBLASTX:Maize
Start	912	End	1649
GI	none	Score	64
Exons	912..1157, 1035..1307, 1038..1280, 1116..1649, 1162..1302, 1284..1643		

Seq. No.	32712	Seq. ID	OJ990608_01.0103.C14
Gene No.	67857	Strand	-
Start	1	End	1761
Name	OJ990608_01.0103.C14.o1.tw	Method	TBLASTX:Wheat
Start	972	End	1658
GI	none	Score	66
Exons	972..1112, 1038..1130, 1050..1202, 1122..1301, 1122..1274, 1129..1326, 1194..1307, 1311..1421, 1341..1553, 1341..1475, 1342..1434, 1413..1619, 1485..1658		

Seq. No.	32713	Seq. ID	OJ990608_01.0103.C15
Gene No.	67858	Strand	-
Start	1	End	1169
Name	OJ990608_01.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	1169
GI	2586081	Score	869
Exons	1..408, 625..1169		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	32713	Seq. ID	OJ990608_01.0103.C15
Gene No.	67858	Strand	-
Start	1	End	1169
Name	OJ990608_01.0103.C15.o1.gs	Method	GENSCAN
Start	159	End	1169
GI	none	Score	.64
Exons	159..457, 515..1169		

Seq. No.	32713	Seq. ID	OJ990608_01.0103.C15
Gene No.	67859	Strand	-
Start	2443	End	2966
Name	OJ990608_01.0103.C15.o2.np	Method	AAT/NAP
Start	2443	End	2966
GI	5091609	Score	247

Exons	2443..2966		
GI Descrip.	(AC007858) 10A19I.13 [Oryza sativa]		
Seq. No.	32713	Seq. ID	OJ990608_01.0103.C15
Gene No.	67860	Strand	-
Start	5653	End	7131
Name	OJ990608_01.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	914
GI	none	Score	49
Exons	1..102, 217..378, 433..510, 486..629, 486..629, 495..638, 639..905, 639..770, 642..842, 651..905, 666..905, 720..914		
Seq. No.	32713	Seq. ID	OJ990608_01.0103.C15
Gene No.	67860	Strand	-
Start	5653	End	7131
Name	OJ990608_01.0103.C15.o1.tc	Method	TBLASTX:Cress
Start	202	End	980
GI	none	Score	84
Exons	202..351, 483..638, 483..623, 483..632, 483..614, 486..638, 486..632, 489..626, 504..572, 504..638, 627..842, 639..917, 639..908, 639..710, 639..905, 642..833, 651..980, 651..908, 651..884, 651..914, 654..905, 777..899		
Seq. No.	32713	Seq. ID	OJ990608_01.0103.C15
Gene No.	67860	Strand	-
Start	5653	End	7131
Name	OJ990608_01.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	202	End	929
GI	none	Score	63
Exons	202..372, 289..372, 483..632, 483..614, 486..638, 636..884, 639..929, 639..842, 642..929, 651..920, 651..908, 726..929		
Seq. No.	32713	Seq. ID	OJ990608_01.0103.C15
Gene No.	67860	Strand	-
Start	5653	End	7131
Name	OJ990608_01.0103.C15.o1.tw	Method	TBLASTX:Wheat
Start	486	End	995
GI	none	Score	133
Exons	486..593, 753..932, 765..920, 924..959, 931..963, 966..995		
Seq. No.	32713	Seq. ID	OJ990608_01.0103.C15
Gene No.	67860	Strand	-
Start	5653	End	7131
Name	OJ990608_01.0103.C15.o3.gs	Method	GENSCAN
Start	5653	End	7131
GI	none	Score	.98
Exons	5653..7131		
Seq. No.	32714	Seq. ID	OJ990608_01.0103.C16
Gene No.	67861	Strand	-
Start	905	End	4930
Name	OJ990608_01.0103.C16.o1.gs	Method	GENSCAN
Start	905	End	4930
GI	none	Score	.41
Exons	905..960, 1042..1422, 2220..2345, 2351..2691, 3939..4930		
Seq. No.	32714	Seq. ID	OJ990608_01.0103.C16

Gene No.	67861	Strand	-
Start	905	End	4930
Name	OJ990608_01.0103.C16.o1.np	Method	AAT/NAP
Start	1025	End	4903
GI	2130082	Score	4834
Exons	1025..1422, 2220..4903		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	32714	Seq. ID	OJ990608_01.0103.C16
Gene No.	67861	Strand	-
Start	905	End	4930
Name	OJ990608_01.0103.C16.o3.tm	Method	TBLASTX:Maize
Start	1070	End	1424
GI	none	Score	86
Exons	1070..1423, 1308..1424		

Seq. No.	32714	Seq. ID	OJ990608_01.0103.C16
Gene No.	67861	Strand	-
Start	905	End	4930
Name	OJ990608_01.0103.C16.o1.ts	Method	TBLASTX:Soybean
Start	1238	End	2803
GI	none	Score	66
Exons	1238..1423, 1329..1424, 2221..2388, 2297..2389, 2406..2480, 2407..2463, 2487..2663, 2488..2655, 2684..2803, 2685..2786		

Seq. No.	32714	Seq. ID	OJ990608_01.0103.C16
Gene No.	67861	Strand	-
Start	905	End	4930
Name	OJ990608_01.0103.C16.o1.tc	Method	TBLASTX:Cress
Start	1334	End	4651
GI	none	Score	90
Exons	1334..1423, 2281..2385, 2288..2380, 2499..2558, 2500..2538, 2571..2651, 3005..3385, 3062..3391, 3065..3430, 3065..3394, 3065..3184, 3137..3391, 3209..3394, 3269..3394, 3272..3394, 3281..3397, 3414..3596, 3429..3614, 3500..3742, 3500..3739, 3500..3739, 3500..3739, 3500..3622, 3500..3739, 3501..3632, 3569..3739, 3827..4093, 3902..4072, 3911..4129, 3962..4048, 4064..4210, 4100..4198, 4247..4378, 4247..4375, 4247..4366, 4247..4381, 4247..4381, 4248..4352, 4268..4375, 4382..4648, 4385..4651, 4385..4585, 4385..4489, 4394..4636, 4394..4633, 4538..4651, 4538..4648, 4538..4627		

Seq. No.	32714	Seq. ID	OJ990608_01.0103.C16
Gene No.	67861	Strand	-
Start	905	End	4930
Name	OJ990608_01.0103.C16.o1.tm	Method	TBLASTX:Maize
Start	2275	End	2658
GI	none	Score	177
Exons	2275..2388, 2406..2657, 2407..2658		

Seq. No.	32714	Seq. ID	OJ990608_01.0103.C16
Gene No.	67861	Strand	-
Start	905	End	4930

Name	OJ990608_01.0103.C16.o2.ts	Method	TBLASTX:Soybean
Start	3017	End	4651
GI	none	Score	58
Exons	3017..3391, 3062..3391, 3065..3391, 3065..3394, 3065..3193, 3065..3376, 3066..3185, 3270..3383, 3272..3397, 3282..3386, 3426..3596, 3438..3653, 3500..3739, 3500..3739, 3500..3739, 3500..3628, 3500..3739, 3500..3739, 3500..3739, 3501..3647, 3575..3739, 3800..3859, 4064..4213, 4094..4168, 4094..4210, 4100..4210, 4100..4210, 4100..4210, 4109..4210, 4247..4375, 4247..4375, 4247..4378, 4379..4642, 4382..4648, 4382..4585, 4385..4648, 4385..4648, 4394..4651, 4469..4651		

Seq. No.	32714	Seq. ID	OJ990608_01.0103.C16
Gene No.	67861	Strand	-
Start	905	End	4930
Name	OJ990608_01.0103.C16.o1.tw	Method	TBLASTX:Wheat
Start	3065	End	4648
GI	none	Score	87
Exons	3065..3166, 3155..3433, 3500..3691, 3542..3745, 3590..3733, 3699..3869, 3800..3943, 3902..4168, 4236..4334, 4247..4462, 4283..4375, 4538..4648		

Seq. No.	32714	Seq. ID	OJ990608_01.0103.C16
Gene No.	67861	Strand	-
Start	905	End	4930
Name	OJ990608_01.0103.C16.o2.tm	Method	TBLASTX:Maize
Start	3065	End	4651
GI	none	Score	58
Exons	3065..3391, 3065..3394, 3065..3391, 3065..3376, 3068..3391, 3155..3391, 3198..3305, 3411..3653, 3500..3739, 3500..3739, 3500..3739, 3500..3739, 3500..3682, 3500..3739, 3509..3739, 3617..3733, 4236..4334, 4247..4375, 4247..4366, 4247..4378, 4268..4378, 4379..4642, 4382..4648, 4382..4648, 4383..4478, 4385..4651, 4409..4459		

Seq. No.	32714	Seq. ID	OJ990608_01.0103.C16
Gene No.	67861	Strand	-
Start	905	End	4930
Name	OJ990608_01.0103.C16.o4.tm	Method	TBLASTX:Maize
Start	3812	End	4204
GI	none	Score	71
Exons	3812..4204, 3834..4199		

Seq. No.	32715	Seq. ID	OJ990608_01.0103.C17
Gene No.	67862	Strand	-
Start	779	End	2718
Name	OJ990608_01.0103.C17.o1.gs	Method	GENSCAN
Start	779	End	2718
GI	none	Score	.79
Exons	779..975, 2691..2718		

Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67863	Strand	+
Start	4647	End	7022
Name	OJ990608_01.0103.C18.o1.gs	Method	GENSCAN
Start	4647	End	7022
GI	none	Score	.46

Exons	4647..4750, 5097..5323, 5362..5492, 5807..5988, 6704..7022		
Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67864	Strand	+
Start	15379	End	18789
Name	OJ990608_01.0103.C18.o2.np	Method	AAT/NAP
Start	15379	End	18677
GI	2130082	Score	2973
Exons	15379..15944, 16017..18128, 18279..18677		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		
Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67864	Strand	+
Start	15379	End	18789
Name	OJ990608_01.0103.C18.o1.gp	Method	AAT/GAP
Start	18335	End	18789
GI	LIB3432-010-P1-K1-F10	Score	797
Exons	18335..18789		
GI Descrip.	'2130082/pir||A57676 5.0e-24 protein kinase Xa21 (EC 2.7.1.-) - rice >gi_1122443 (U37133) receptor kinase-like protein [Oryza sativa] >gi_2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] >gi_1586408_prf__2203451A receptor kinase-like protein [Oryza sativa]'		
Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67865	Strand	-
Start	2573	End	5979
Name	OJ990608_01.0103.C18.o1.np	Method	AAT/NAP
Start	2573	End	5979
GI	2130082	Score	2822
Exons	2573..2980, 3242..5345, 5418..5979		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		
Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67866	Strand	-
Start	20540	End	20769
Name	OJ990608_01.0103.C18.o3.tm	Method	TBLASTX:Maize
Start	2637	End	18628
GI	none	Score	81
Exons	2637..2741, 2799..2981, 2845..2982, 18277..18390, 18278..18628		
Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67866	Strand	-
Start	20540	End	20769
Name	OJ990608_01.0103.C18.o1.ts	Method	TBLASTX:Soybean
Start	2776	End	18460
GI	none	Score	73
Exons	2776..2982, 2799..2981, 3243..3500, 3325..3495, 3493..3720, 3498..3713, 3744..3833, 3751..3825, 17528..17620, 17545..17619,		

17647..17859, 17648..17860, 17687..17878, 17861..18058,
17882..18127, 18278..18460

Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67866	Strand	-
Start	20540	End	20769
Name	OJ990608_01.0103.C18.o1.tc	Method	TBLASTX:Cress
Start	2886	End	18379
GI	none	Score	37

Exons 2886..2981, 3318..3494, 3609..3713, 4050..4391, 4050..4391,
4092..4391, 4093..4254, 4095..4391, 4095..4364, 4098..4361,
4098..4391, 4098..4391, 4098..4391, 4101..4391, 4162..4218,
4171..4425, 4303..4413, 4315..4443, 4435..4695, 4443..4769,
4443..4769, 4444..4617, 4446..4769, 4452..4769, 4452..4769,
4452..4730, 4452..4769, 4456..4761, 4461..4766, 4461..4766,
4461..4766, 4462..4761, 4464..4886, 4617..4766, 4666..4788,
4878..5129, 4884..5129, 4902..5129, 4911..5111, 4911..5066,
5127..5201, 5127..5189, 5249..5434, 5282..5371, 5285..5437,
5285..5431, 5285..5377, 5285..5371, 5483..5578, 5495..5662,
5633..5662, 15542..15961, 15548..15583, 15548..15940,
15572..15892, 15602..16069, 15604..15738, 15605..16066,
15608..16069, 15608..16066, 15617..16066, 15623..16033,
15629..16066, 15634..15807, 15640..15810, 15689..16069,
15761..16069, 15821..16069, 15848..16015, 15905..16069,
15931..16086, 16136..16234, 16136..16231, 16136..16234,
16232..16480, 16232..16438, 16232..16429, 16256..16435,
16464..16511, 16481..16552, 16481..16540, 16562..16894,
16562..16894, 16562..16705, 16562..16894, 16565..16894,
16565..16894, 16565..16894, 16565..16843, 16577..16894,
16577..16894, 16577..16894, 16577..16762, 16577..16894,
16634..16894, 16658..16894, 16732..16902, 16744..16902,
16792..16902, 16912..17049, 16943..17053, 16943..17062,
16943..17263, 16946..17269, 16946..17266, 16946..17317,
16946..17266, 16946..17314, 16946..17266, 16948..17064,
17070..17177, 17084..17266, 17104..17313, 17146..17205,
17207..17329, 17633..17752, 17867..18067, 18278..18379

Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67866	Strand	-
Start	20540	End	20769
Name	OJ990608_01.0103.C18.o1.tm	Method	TBLASTX:Maize
Start	3252	End	18067
GI	none	Score	104

Exons 3252..3308, 3303..3494, 3313..3483, 3504..3680, 3508..3681,
17680..17853, 17681..18067, 17938..18057

Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67866	Strand	-
Start	20540	End	20769
Name	OJ990608_01.0103.C18.o2.ts	Method	TBLASTX:Soybean
Start	4050	End	17314
GI	none	Score	76

Exons 4050..4391, 4095..4391, 4095..4370, 4098..4391, 4098..4391,
4098..4391, 4098..4391, 4225..4416, 4238..4423, 4308..4379,
4435..4701, 4443..4769, 4446..4724, 4452..4769, 4452..4766,
4452..4661, 4453..4797, 4455..4766, 4459..4617, 4464..4766,
4615..4842, 4666..4833, 4674..4769, 4884..5105, 4905..5129,

4905..5129, 4909..5010, 4948..5067, 5127..5189, 5127..5186,
5274..5297, 5285..5371, 5285..5371, 5285..5371, 5286..5432,
5483..5662, 5486..5662, 15548..15940, 15569..15730,
15602..16066, 15617..16066, 15617..16069, 15629..16069,
15634..15807, 15743..16069, 15803..15874, 16098..16151,
16133..16228, 16133..16237, 16136..16231, 16136..16234,
16136..16234, 16175..16234, 16232..16483, 16232..16435,
16232..16438, 16307..16378, 16433..16546, 16562..16894,
16562..16894, 16565..16894, 16577..16894, 16577..16894,
16577..16762, 16600..16761, 16637..16894, 16703..16894,
16735..16902, 16738..16905, 16744..16902, 16912..17049,
16932..16967, 16939..17127, 16939..17070, 16943..17269,
16943..17266, 16946..17314, 16946..17266, 16946..17266,
16955..17269, 16955..17209, 17027..17269, 17084..17266,
17095..17265

Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67866	Strand	-
Start	20540	End	20769
Name	OJ990608_01.0103.C18.o1.tw	Method	TBLASTX:Wheat
Start	4095	End	17269
GI	none	Score	85
Exons	4095..4289, 4188..4520, 4479..4724, 4573..4782, 4578..4769, 4626..4766, 4801..4959, 4830..4973, 4908..5189, 4971..5129, 5285..5362, 15752..15994, 15965..16063, 16133..16186, 16163..16435, 16388..16789, 16598..16741, 16637..16885, 16712..16894, 16760..16894, 16832..17122, 16879..17130, 16946..17104, 17075..17269		

Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67866	Strand	-
Start	20540	End	20769
Name	OJ990608_01.0103.C18.o2.tm	Method	TBLASTX:Maize
Start	4098	End	17269
GI	none	Score	62
Exons	4098..4391, 4098..4391, 4098..4391, 4098..4298, 4188..4391, 4315..4446, 4388..4423, 4435..4692, 4440..4769, 4443..4766, 4443..4769, 4452..4769, 4452..4730, 4479..4769, 4884..5129, 4905..5129, 4911..5093, 5127..5189, 5128..5169, 5282..5434, 5282..5437, 5285..5371, 5483..5578, 5483..5557, 5486..5662, 5633..5710, 15524..16060, 15572..15850, 15605..16066, 15617..16066, 15617..15994, 15634..15807, 15815..16069, 15928..16026, 16133..16234, 16232..16438, 16562..16894, 16562..16894, 16565..16810, 16577..16894, 16577..16894, 16577..16669, 16592..16885, 16634..16894, 16769..16903, 16880..17101, 16912..17049, 16943..17266, 16946..17266, 16946..17143, 16946..17269		

Seq. No.	32716	Seq. ID	OJ990608_01.0103.C18
Gene No.	67866	Strand	-
Start	20540	End	20769
Name	OJ990608_01.0103.C18.o3.gs	Method	GENSCAN
Start	20540	End	20769
GI	none	Score	44
Exons	20540..20769		

Seq. No.	32717	Seq. ID	OJ990608_01.0103.C19

Gene No.	67867	Strand	+
Start	1	End	563
Name	OJ990608_01.0103.C19.o1.np	Method	AAT/NAP
Start	1	End	262
GI	5852180	Score	34
Exons	1..138, 191..262		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32717	Seq. ID	OJ990608_01.0103.C19
Gene No.	67867	Strand	+
Start	1	End	563
Name	OJ990608_01.0103.C19.o2.np	Method	AAT/NAP
Start	1	End	560
GI	4680186	Score	318
Exons	1..40, 359..560		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32717	Seq. ID	OJ990608_01.0103.C19
Gene No.	67867	Strand	+
Start	1	End	563
Name	OJ990608_01.0103.C19.o1.gs	Method	GENSCAN
Start	359	End	563
GI	none	Score	.54
Exons	359..563		

Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67868	Strand	+
Start	417	End	1686
Name	OJ990608_01.0103.C20.o1.gs	Method	GENSCAN
Start	417	End	1686
GI	none	Score	.48
Exons	417..728, 734..1517, 1523..1686		

Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67869	Strand	+
Start	4859	End	11612
Name	OJ990608_01.0103.C20.o3.gs	Method	GENSCAN
Start	4859	End	11612
GI	none	Score	.46
Exons	4859..4930, 6030..6826, 6834..6918, 7089..8043, 8086..8286, 8473..9050, 9090..10280, 10361..10403, 10516..10688, 10776..11612		

Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67869	Strand	+
Start	4859	End	11612
Name	OJ990608_01.0103.C20.o1.np	Method	AAT/NAP
Start	7086	End	11609
GI	4680179	Score	5316
Exons	7086..8179, 8213..11609		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67870	Strand	-
Start	2052	End	3953
Name	OJ990608_01.0103.C20.o2.gs	Method	GENSCAN
Start	2052	End	3953

GI	none	Score	.92
Exons	2052..2158, 2888..3000, 3835..3953		

Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67871	Strand	
Start	7323	End	7874
Name	OJ990608_01.0103.C20.o7.tw	Method	TBLASTX:Wheat
Start	7323	End	7688
GI	none	Score	291
Exons	7323..7484, 7328..7687, 7329..7688		

Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67871	Strand	
Start	7323	End	7874
Name	OJ990608_01.0103.C20.o6.tm	Method	TBLASTX:Maize
Start	7569	End	7874
GI	none	Score	231
Exons	7569..7874, 7583..7699		

Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67872	Strand	
Start	8199	End	8603
Name	OJ990608_01.0103.C20.o7.tm	Method	TBLASTX:Maize
Start	8199	End	8552
GI	none	Score	189
Exons	8199..8552		

Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67872	Strand	
Start	8199	End	8603
Name	OJ990608_01.0103.C20.o8.tw	Method	TBLASTX:Wheat
Start	8235	End	8603
GI	none	Score	164
Exons	8235..8444, 8291..8383, 8490..8603, 8498..8602		

Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67873	Strand	
Start	8768	End	9641
Name	OJ990608_01.0103.C20.o4.tw	Method	TBLASTX:Wheat
Start	8768	End	9254
GI	none	Score	122
Exons	8768..9211, 8846..9157, 8877..9254, 8904..9251		

Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67873	Strand	
Start	8768	End	9641
Name	OJ990608_01.0103.C20.o5.tm	Method	TBLASTX:Maize
Start	8783	End	9073
GI	none	Score	262
Exons	8783..9073, 8784..9071		

Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67873	Strand	
Start	8768	End	9641
Name	OJ990608_01.0103.C20.o3.tm	Method	TBLASTX:Maize
Start	9141	End	9641
GI	none	Score	157

Exons	9141..9320, 9149..9268, 9327..9641, 9447..9596		
Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67873	Strand	
Start	8768	End	9641
Name	OJ990608_01.0103.C20.o1.ts	Method	TBLASTX:Soybean
Start	9195	End	9591
GI	none	Score	57
Exons	9195..9227, 9197..9226, 9231..9590, 9233..9268, 9299..9589, 9322..9591		
Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67873	Strand	
Start	8768	End	9641
Name	OJ990608_01.0103.C20.o5.tw	Method	TBLASTX:Wheat
Start	9303	End	9605
GI	none	Score	374
Exons	9303..9605, 9305..9589		
Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67874	Strand	
Start	9606	End	10092
Name	OJ990608_01.0103.C20.o3.tw	Method	TBLASTX:Wheat
Start	9606	End	10028
GI	none	Score	592
Exons	9606..10028, 9638..10027		
Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67874	Strand	
Start	9606	End	10092
Name	OJ990608_01.0103.C20.o3.ts	Method	TBLASTX:Soybean
Start	9612	End	9857
GI	none	Score	211
Exons	9612..9857, 9614..9856		
Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67874	Strand	
Start	9606	End	10092
Name	OJ990608_01.0103.C20.o2.tm	Method	TBLASTX:Maize
Start	9677	End	10092
GI	none	Score	476
Exons	9677..10027, 9678..10031, 9679..10092, 9681..10040		
Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67875	Strand	
Start	10031	End	11564
Name	OJ990608_01.0103.C20.o2.tw	Method	TBLASTX:Wheat
Start	10031	End	10598
GI	none	Score	629
Exons	10031..10597, 10062..10598		
Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67875	Strand	
Start	10031	End	11564
Name	OJ990608_01.0103.C20.o2.ts	Method	TBLASTX:Soybean
Start	10386	End	10646
GI	none	Score	286

Exons	10386..10646, 10391..10645		
Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67875	Strand	
Start	10031	End	11564
Name	OJ990608_01.0103.C20.o4.tm	Method	TBLASTX:Maize
Start	10445	End	10736
GI	none	Score	366
Exons	10445..10732, 10446..10736		
Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67875	Strand	
Start	10031	End	11564
Name	OJ990608_01.0103.C20.o1.tw	Method	TBLASTX:Wheat
Start	10605	End	11231
GI	none	Score	681
Exons	10605..11231, 10661..11119, 10977..11228		
Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67875	Strand	
Start	10031	End	11564
Name	OJ990608_01.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	10785	End	11384
GI	none	Score	226
Exons	10785..10946, 10788..10940, 10944..11384, 10946..11368		
Seq. No.	32718	Seq. ID	OJ990608_01.0103.C20
Gene No.	67875	Strand	
Start	10031	End	11564
Name	OJ990608_01.0103.C20.o6.tw	Method	TBLASTX:Wheat
Start	11231	End	11564
GI	none	Score	329
Exons	11231..11500, 11232..11564, 11235..11543		
Seq. No.	32719	Seq. ID	OJ990608_01.0103.C21
Gene No.	67876	Strand	-
Start	88	End	521
Name	OJ990608_01.0103.C21.o1.np	Method	AAT/NAP
Start	88	End	521
GI	4680185	Score	481
Exons	88..521		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	32719	Seq. ID	OJ990608_01.0103.C21
Gene No.	67876	Strand	-
Start	88	End	521
Name	OJ990608_01.0103.C21.o1.gs	Method	GENSCAN
Start	109	End	483
GI	none	Score	.45
Exons	109..483		
Seq. No.	32720	Seq. ID	OJ990608_01.0103.C23
Gene No.	67877	Strand	+
Start	1	End	377
Name	OJ990608_01.0103.C23.o1.np	Method	AAT/NAP
Start	1	End	377
GI	2130082	Score	278

Exons	1..377		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		
Seq. No.	32720	Seq. ID	OJ990608_01.0103.C23
Gene No.	67877	Strand	+
Start	1	End	377
Name	OJ990608_01.0103.C23.o1.tw	Method	TBLASTX:Wheat
Start	48	End	335
GI	none	Score	167
Exons	48..335, 50..319, 120..266		
Seq. No.	32720	Seq. ID	OJ990608_01.0103.C23
Gene No.	67877	Strand	+
Start	1	End	377
Name	OJ990608_01.0103.C23.o1.tm	Method	TBLASTX:Maize
Start	92	End	371
GI	none	Score	186
Exons	92..217, 117..365, 125..301, 201..371		
Seq. No.	32720	Seq. ID	OJ990608_01.0103.C23
Gene No.	67877	Strand	+
Start	1	End	377
Name	OJ990608_01.0103.C23.o1.tc	Method	TBLASTX:Cress
Start	113	End	371
GI	none	Score	188
Exons	113..367, 117..368, 129..371		
Seq. No.	32720	Seq. ID	OJ990608_01.0103.C23
Gene No.	67877	Strand	+
Start	1	End	377
Name	OJ990608_01.0103.C23.o1.ts	Method	TBLASTX:Soybean
Start	117	End	376
GI	none	Score	191
Exons	117..371, 117..371, 117..353, 117..341, 128..241, 156..371, 272..376		
Seq. No.	32721	Seq. ID	OJ990608_01.0103.C24
Gene No.	67878	Strand	+
Start	1	End	592
Name	OJ990608_01.0103.C24.o1.np	Method	AAT/NAP
Start	1	End	592
GI	2586083	Score	356
Exons	1..138, 350..592		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		
Seq. No.	32721	Seq. ID	OJ990608_01.0103.C24
Gene No.	67878	Strand	+
Start	1	End	592
Name	OJ990608_01.0103.C24.o1.gs	Method	GENSCAN
Start	21	End	472
GI	none	Score	.89
Exons	21..138, 350..472		

Seq. No.	32722	Seq. ID	OJ990608_01.0103.C25
Gene No.	67879	Strand	-
Start	1	End	669
Name	OJ990608_01.0103.C25.o1.np	Method	AAT/NAP
Start	1	End	669
GI	2130082	Score	974
Exons	1..669		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	32722	Seq. ID	OJ990608_01.0103.C25
Gene No.	67879	Strand	-
Start	1	End	669
Name	OJ990608_01.0103.C25.o1.tm	Method	TBLASTX:Maize
Start	364	End	606
GI	none	Score	85
Exons	364..606, 392..511		

Seq. No.	32722	Seq. ID	OJ990608_01.0103.C25
Gene No.	67879	Strand	-
Start	1	End	669
Name	OJ990608_01.0103.C25.o1.gs	Method	GENSCAN
Start	372	End	496
GI	none	Score	.71
Exons	372..496		

Seq. No.	32723	Seq. ID	OJ990608_01.0103.C26
Gene No.	67880	Strand	+
Start	1	End	1604
Name	OJ990608_01.0103.C26.o1.np	Method	AAT/NAP
Start	1	End	1604
GI	2586083	Score	594
Exons	1..120, 1259..1604		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	32723	Seq. ID	OJ990608_01.0103.C26
Gene No.	67880	Strand	+
Start	1	End	1604
Name	OJ990608_01.0103.C26.o1.gs	Method	GENSCAN
Start	3	End	221
GI	none	Score	.93
Exons	3..120, 169..221		

Seq. No.	32723	Seq. ID	OJ990608_01.0103.C26
Gene No.	67880	Strand	+
Start	1	End	1604
Name	OJ990608_01.0103.C26.o1.tm	Method	TBLASTX:Maize
Start	1248	End	1602
GI	none	Score	73
Exons	1248..1391, 1257..1394, 1258..1602, 1420..1569		

Seq. No.	32724	Seq. ID	OJ990608_01.0103.C27
Gene No.	67881	Strand	+
Start	447	End	517

Name	OJ990608_01.0103.C27.o1.gs	Method	GENSCAN
Start	447	End	517
GI	none	Score	.95
Exons	447..517		

Seq. No.	32725	Seq. ID	OJ990608_01.0103.C29
Gene No.	67882	Strand	+
Start	1	End	510
Name	OJ990608_01.0103.C29.o1.np	Method	AAT/NAP
Start	1	End	510
GI	4680179	Score	465
Exons	1..510		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32725	Seq. ID	OJ990608_01.0103.C29
Gene No.	67882	Strand	+
Start	1	End	510
Name	OJ990608_01.0103.C29.o1.tw	Method	TBLASTX:Wheat
Start	182	End	449
GI	none	Score	230
Exons	182..376, 183..449		

Seq. No.	32725	Seq. ID	OJ990608_01.0103.C29
Gene No.	67882	Strand	+
Start	1	End	510
Name	OJ990608_01.0103.C29.o1.tm	Method	TBLASTX:Maize
Start	183	End	425
GI	none	Score	182
Exons	183..425, 197..313		

Seq. No.	32726	Seq. ID	OJ990608_01.0103.C30
Gene No.	67883	Strand	-
Start	1	End	609
Name	OJ990608_01.0103.C30.o1.np	Method	AAT/NAP
Start	1	End	609
GI	2586081	Score	505
Exons	1..609		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	32726	Seq. ID	OJ990608_01.0103.C30
Gene No.	67883	Strand	-
Start	1	End	609
Name	OJ990608_01.0103.C30.o1.tc	Method	TBLASTX:Cress
Start	61	End	510
GI	none	Score	61
Exons	61..264, 61..267, 61..270, 61..120, 62..256, 64..264, 64..213, 64..264, 64..264, 64..267, 64..270, 70..279, 73..264, 73..264, 74..256, 82..264, 82..204, 130..261, 151..270, 247..510, 247..510, 274..510, 274..510, 284..508, 292..483, 293..391, 296..508, 296..457, 299..481, 301..510, 304..510, 311..463, 355..510		

Seq. No.	32726	Seq. ID	OJ990608_01.0103.C30
Gene No.	67883	Strand	-
Start	1	End	609
Name	OJ990608_01.0103.C30.o1.tm	Method	TBLASTX:Maize
Start	61	End	510

GI	none	Score	113
Exons	61..264, 82..504, 82..243, 292..510, 373..510		

Seq. No.	32726	Seq. ID	OJ990608_01.0103.C30
Gene No.	67883	Strand	-
Start	1	End	609
Name	OJ990608_01.0103.C30.o1.ts	Method	TBLASTX:Soybean
Start	61	End	510
GI	none	Score	61
Exons	61..267, 61..267, 61..279, 61..264, 64..264, 64..264, 76..270, 77..250, 142..264, 247..510, 247..510, 271..510, 274..510, 274..510, 274..501, 296..478, 301..510, 302..508, 302..460, 302..499		

Seq. No.	32727	Seq. ID	OJ990608_01.0103.C31
Gene No.	67884	Strand	+
Start	68	End	246
Name	OJ990608_01.0103.C31.o1.gp	Method	AAT/GAP
Start	68	End	246
GI	none	Score	325
Exons	68..246		

Seq. No.	32728	Seq. ID	OJ990608_01.0103.C37
Gene No.	67885	Strand	+
Start	1	End	192
Name	OJ990608_01.0103.C37.o1.gp	Method	AAT/GAP
Start	1	End	192
GI	101153_1.R1084	Score	342
Exons	1..192		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32729	Seq. ID	OJ990608_01.0103.C38
Gene No.	67886	Strand	+
Start	1	End	4290
Name	OJ990608_01.0103.C38.o1.np	Method	AAT/NAP
Start	1	End	4290
GI	2586082	Score	1316
Exons	1..781, 3896..4290		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	32729	Seq. ID	OJ990608_01.0103.C38
Gene No.	67886	Strand	+
Start	1	End	4290
Name	OJ990608_01.0103.C38.o2.tm	Method	TBLASTX:Maize
Start	84	End	393
GI	none	Score	276
Exons	84..260, 88..393		

Seq. No.	32729	Seq. ID	OJ990608_01.0103.C38
Gene No.	67886	Strand	+
Start	1	End	4290
Name	OJ990608_01.0103.C38.o1.gs	Method	GENSCAN
Start	198	End	546
GI	none	Score	.72
Exons	198..433, 464..546		

Seq. No.	32729	Seq. ID	OJ990608_01.0103.C38
Gene No.	67886	Strand	+
Start	1	End	4290
Name	OJ990608_01.0103.C38.o1.tw	Method	TBLASTX:Wheat
Start	328	End	768
GI	none	Score	328
Exons	328..630, 328..609, 333..614,	631..768, 681..767	

Seq. No.	32729	Seq. ID	OJ990608_01.0103.C38
Gene No.	67886	Strand	+
Start	1	End	4290
Name	OJ990608_01.0103.C38.o3.tm	Method	TBLASTX:Maize
Start	460	End	696
GI	none	Score	218
Exons	460..630, 465..617, 466..630,	631..696	

Seq. No.	32729	Seq. ID	OJ990608_01.0103.C38
Gene No.	67886	Strand	+
Start	1	End	4290
Name	OJ990608_01.0103.C38.o1.ts	Method	TBLASTX:Soybean
Start	529	End	4239
GI	none	Score	113
Exons	529..630, 532..630, 631..783, 4093..4239, 4101..4133	726..782, 3892..4089, 3897..4016,	

Seq. No.	32729	Seq. ID	OJ990608_01.0103.C38
Gene No.	67886	Strand	+
Start	1	End	4290
Name	OJ990608_01.0103.C38.o1.tm	Method	TBLASTX:Maize
Start	699	End	4233
GI	none	Score	69
Exons	699..746, 699..776, 700..780, 3955..4080, 4093..4233	3892..3942, 3949..4092,	

Seq. No.	32729	Seq. ID	OJ990608_01.0103.C38
Gene No.	67886	Strand	+
Start	1	End	4290
Name	OJ990608_01.0103.C38.o1.gp	Method	AAT/GAP
Start	3638	End	3985
GI	61605_3.R1084	Score	432
Exons	3638..3889, 3957..3985		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	32730	Seq. ID	OJ990608_01.0103.C39
Gene No.	67887	Strand	+
Start	242	End	289
Name	OJ990608_01.0103.C39.o1.gs	Method	GENSCAN
Start	242	End	289
GI	none	Score	.97
Exons	242..289		

Seq. No.	32730	Seq. ID	OJ990608_01.0103.C39
Gene No.	67888	Strand	+
Start	6332	End	6975
Name	OJ990608_01.0103.C39.o4.gs	Method	GENSCAN
Start	6332	End	6975

GI	none	Score	.6
Exons	6332..6446, 6860..6975		

Seq. No.	32730	Seq. ID	OJ990608_01.0103.C39
Gene No.	67889	Strand	-
Start	1043	End	6557
Name	OJ990608_01.0103.C39.o1.np	Method	AAT/NAP
Start	1043	End	6557
GI	6056422	Score	534
Exons	1043..1737, 3218..3464, 5261..5304, 6423..6557		
GI Descrip.	(AC009525) Similar to pectinesterases [Arabidopsis thaliana]		

Seq. No.	32730	Seq. ID	OJ990608_01.0103.C39
Gene No.	67889	Strand	-
Start	1043	End	6557
Name	OJ990608_01.0103.C39.o2.gs	Method	GENSCAN
Start	1043	End	3638
GI	none	Score	.66
Exons	1043..1737, 3218..3638		

Seq. No.	32730	Seq. ID	OJ990608_01.0103.C39
Gene No.	67889	Strand	-
Start	1043	End	6557
Name	OJ990608_01.0103.C39.o1.ts	Method	TBLASTX:Soybean
Start	1073	End	1720
GI	none	Score	67
Exons	1073..1222, 1077..1205, 1253..1369, 1257..1352, 1373..1720, 1377..1451, 1503..1574, 1659..1718		

Seq. No.	32730	Seq. ID	OJ990608_01.0103.C39
Gene No.	67889	Strand	-
Start	1043	End	6557
Name	OJ990608_01.0103.C39.o1.tm	Method	TBLASTX:Maize
Start	1074	End	1738
GI	none	Score	67
Exons	1074..1199, 1079..1225, 1256..1357, 1329..1355, 1365..1601, 1385..1738, 1389..1601, 1610..1693		

Seq. No.	32730	Seq. ID	OJ990608_01.0103.C39
Gene No.	67889	Strand	-
Start	1043	End	6557
Name	OJ990608_01.0103.C39.o1.tc	Method	TBLASTX:Cress
Start	1079	End	3467
GI	none	Score	73
Exons	1079..1144, 1130..1222, 1256..1351, 1257..1352, 1380..1547, 1382..1738, 1590..1739, 3216..3320, 3384..3467		

Seq. No.	32730	Seq. ID	OJ990608_01.0103.C39
Gene No.	67889	Strand	-
Start	1043	End	6557
Name	OJ990608_01.0103.C39.o1.tw	Method	TBLASTX:Wheat
Start	1280	End	1694
GI	none	Score	44
Exons	1280..1357, 1320..1358, 1365..1508, 1385..1693, 1389..1601, 1659..1694		

Seq. No.	32730	Seq. ID	OJ990608_01.0103.C39

Gene No.	67889	Strand	-
Start	1043	End	6557
Name	OJ990608_01.0103.C39.o3.gs	Method	GENSCAN
Start	4740	End	5289
GI	none	Score	.58
Exons	4740..4833, 5180..5289		

Seq. No.	32731	Seq. ID	OJ990608_01.0103.C40
Gene No.	67890	Strand	+
Start	120	End	2466
Name	OJ990608_01.0103.C40.o1.gs	Method	GENSCAN
Start	120	End	2466
GI	none	Score	.43
Exons	120..190, 1883..1952, 2247..2335, 2447..2466		

Seq. No.	32731	Seq. ID	OJ990608_01.0103.C40
Gene No.	67891	Strand	-
Start	3623	End	4106
Name	OJ990608_01.0103.C40.o2.gs	Method	GENSCAN
Start	3623	End	4106
GI	none	Score	.84
Exons	3623..3673, 4077..4106		

Seq. No.	32732	Seq. ID	OJ990608_01.0103.C41
Gene No.	67892	Strand	+
Start	1609	End	2295
Name	OJ990608_01.0103.C41.o1.gp	Method	AAT/GAP
Start	1609	End	2073
GI	2427717	Score	868
Exons	1609..2073		

Seq. No.	32732	Seq. ID	OJ990608_01.0103.C41
Gene No.	67892	Strand	+
Start	1609	End	2295
Name	OJ990608_01.0103.C41.o1.gs	Method	GENSCAN
Start	1636	End	2295
GI	none	Score	.88
Exons	1636..2295		

Seq. No.	32732	Seq. ID	OJ990608_01.0103.C41
Gene No.	67893	Strand	-
Start	3238	End	3896
Name	OJ990608_01.0103.C41.o2.gs	Method	GENSCAN
Start	3238	End	3896
GI	none	Score	.49
Exons	3238..3320, 3758..3896		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67894	Strand	+
Start	1480	End	4120
Name	OJ990608_01.0103.C43.o1.gs	Method	GENSCAN
Start	1480	End	4120
GI	none	Score	.69
Exons	1480..1517, 3818..3899, 3941..4120		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67895	Strand	+

Start	4934	End	16176
Name	OJ990608_01.0103.C43.o1.np	Method	AAT/NAP
Start	4931	End	16020
GI	2586083	Score	2834
Exons	4931..5322, 5470..7682, 15650..16020		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67895	Strand	+
Start	4934	End	16176
Name	OJ990608_01.0103.C43.o2.gs	Method	GENSCAN
Start	4934	End	8252
GI	none	Score	.52
Exons	4934..5408, 5649..7682, 7894..8252		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67895	Strand	+
Start	4934	End	16176
Name	OJ990608_01.0103.C43.o4.gs	Method	GENSCAN
Start	12644	End	16056
GI	none	Score	.69
Exons	12644..15443, 15650..16056		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67895	Strand	+
Start	4934	End	16176
Name	OJ990608_01.0103.C43.o1.gp	Method	AAT/GAP
Start	15940	End	16176
GI	none	Score	423
Exons	15940..16176		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67896	Strand	+
Start	17662	End	23675
Name	OJ990608_01.0103.C43.o5.gs	Method	GENSCAN
Start	17662	End	23675
GI	none	Score	.61
Exons	17662..17733, 17842..17955, 19412..19479, 19538..19692, 20274..20379, 22862..23014, 23137..23210, 23479..23675		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67897	Strand	+
Start	24189	End	27935
Name	OJ990608_01.0103.C43.o2.np	Method	AAT/NAP
Start	24189	End	27935
GI	5739323	Score	1365
Exons	24189..25400, 25551..26692, 27899..27935		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67897	Strand	+
Start	24189	End	27935
Name	OJ990608_01.0103.C43.o6.gs	Method	GENSCAN
Start	24189	End	26234
GI	none	Score	.51
Exons	24189..26234		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o3.tw	Method	TBLASTX:Wheat
Start	5063	End	14404
GI	none	Score	104
Exons	5063..5143, 5065..5139, 12814..12846, 12850..12897, 12860..12922, 12895..13071, 12896..13072, 14294..14404		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o1.tc	Method	TBLASTX:Cress
Start	5099	End	26455
GI	none	Score	50
Exons	5099..5134, 5141..5428, 5150..5419, 5150..5434, 5153..5431, 5156..5428, 5165..5419, 5186..5428, 5186..5293, 5186..5434, 5186..5431, 5186..5431, 5231..5425, 5234..5443, 5309..5431, 5432..5782, 5432..5707, 5432..5782, 5435..5788, 5438..5779, 5438..5779, 5438..5782, 5444..5782, 5444..5782, 5456..5782, 5549..5785, 5744..5785, 5789..5977, 5801..5956, 5801..5965, 5807..5974, 5810..5971, 6127..6249, 6133..6375, 6142..6375, 6155..6481, 6155..6259, 6155..6457, 6155..6463, 6155..6481, 6155..6481, 6155..6481, 6155..6484, 6185..6487, 6191..6379, 6200..6481, 6298..6453, 6332..6475, 6421..6453, 6457..6528, 6467..6817, 6476..6817, 6485..6670, 6485..6814, 6488..6817, 6491..6865, 6491..6817, 6491..6823, 6491..6865, 6491..6823, 6491..6817, 6505..6744, 6548..6817, 6551..6823, 6637..6753, 6680..6745, 7430..7621, 7893..7997, 12908..13186, 12910..13179, 12911..13183, 12911..13189, 12917..13186, 12920..13186, 12920..13174, 12920..13174, 12932..13186, 12938..13048, 12941..13183, 12941..13186, 12946..13173, 13106..13174, 13124..13186, 13187..13474, 13187..13489, 13190..13495, 13192..13248, 13193..13474, 13193..13489, 13199..13489, 13199..13486, 13199..13483, 13199..13477, 13208..13267, 13231..13467, 13283..13486, 13288..13479, 13300..13470, 13309..13479, 13345..13485, 13523..13543, 13559..13759, 13894..13944, 13898..14227, 13898..13942, 13901..14248, 13901..14248, 13901..14209, 13901..14266, 13907..14224, 13909..14001, 13949..14158, 13955..14239, 14018..14251, 14041..14202, 14045..14197, 14053..14142, 14216..14626, 14219..14575, 14231..14575, 14243..14296, 14246..14290, 14248..14307, 14249..14578, 14249..14578, 14249..14644, 14249..14575, 14249..14623, 14257..14502, 14263..14358, 14275..14661, 14329..14646, 14398..14577, 14413..14622, 14666..14749, 14963..15067, 15182..15382, 15649..15747, 24378..24446, 24567..24695, 24567..24707, 24567..24701, 24567..24707, 24567..24701, 24570..24698, 24966..25235, 24966..25088, 24972..25235, 24984..25241, 24993..25199, 24993..25193, 25155..25208, 25266..25400, 25272..25406, 25278..25415, 25287..25415, 25287..25406, 25299..25412, 25314..25415, 25359..25418, 25668..25808, 25698..25775, 25752..25793, 25834..25866, 25854..26213, 25854..26213, 25857..26210, 25865..25975, 25866..26216, 25866..26219, 25866..26183, 25872..26210, 25998..26213, 26210..26266, 26213..26290, 26216..26263, 26345..26455		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o4.tm	Method	TBLASTX:Maize
Start	5135	End	26210
GI	none	Score	119

Exons 5135..5398, 5150..5434, 5153..5431, 5165..5428, 5186..5434, 5438..5785, 5438..5782, 5456..5788, 5801..5971, 5810..5971, 6142..6510, 6155..6484, 6155..6484, 6155..6481, 6155..6481, 6155..6457, 6155..6436, 6200..6481, 6295..6318, 6332..6475, 6419..6496, 6476..6817, 6491..6817, 6491..6817, 6491..6817, 6491..6823, 12908..13186, 12911..13189, 12920..13183, 12920..13174, 12923..13186, 12941..13177, 12991..13185, 13012..13173, 13193..13474, 13211..13486, 13283..13489, 13345..13485, 13565..13759, 13898..14242, 13901..14242, 13901..14239, 13901..14248, 13901..14248, 13955..14239, 14090..14248, 14219..14575, 14231..14575, 14231..14572, 14249..14575, 14249..14578, 14375..14575, 24567..24701, 24567..24698, 24567..24698, 24972..25145, 25287..25415, 25287..25415, 25290..25415, 25299..25415, 25299..25412, 26001..26210, 26061..26210

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o3.ts	Method	TBLASTX:Soybean
Start	5144	End	26269
GI	none	Score	256

Exons 5144..5782, 5150..5419, 5153..5437, 5153..5425, 5156..5419, 5186..5431, 5192..5434, 5198..5317, 5252..5434, 5432..5965, 5432..5782, 5435..5782, 5455..5568, 5540..5782, 5543..5788, 5561..5692, 5792..5974, 5792..5974, 6155..6463, 6155..6463, 6155..6454, 6155..6817, 6155..6463, 6155..6460, 6212..6454, 6226..6453, 6233..6352, 6386..6817, 6412..6600, 6464..6820, 6476..6817, 6485..6745, 6491..6883, 6491..6817, 6491..6880, 6524..6568, 6583..6816, 12905..13483, 12908..13186, 12911..13174, 12917..13183, 12920..13183, 12947..13189, 12953..13057, 13003..13173, 13007..13186, 13025..13144, 13187..13465, 13190..13474, 13190..13465, 13199..13474, 13202..13474, 13202..13474, 13292..13486, 13388..13489, 13502..13714, 13502..13546, 13550..13762, 13562..13699, 13592..13786, 13799..14248, 13802..14221, 13901..14239, 13901..14221, 13901..14575, 13901..14212, 13907..14221, 13912..14211, 13912..14211, 14063..14194, 14065..14160, 14135..14581, 14221..14370, 14231..14578, 14243..14638, 14249..14575, 14249..14647, 14249..14575, 14257..14370, 14404..14574, 14407..14550, 24561..24698, 24567..24698, 24567..24698, 24570..24707, 24606..24698, 24873..24923, 24966..25193, 24972..25145, 24972..25178, 25272..25406, 25290..25406, 25290..25415, 25314..25466, 25788..25850, 25854..26201, 25854..26195, 25866..26201, 25866..26213, 25929..26216, 26216..26269

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213

Name	OJ990608_01.0103.C43.o2.tw	Method	TBLASTX:Wheat
Start	5189	End	26213
GI	none	Score	99
Exons	5189..5374, 5543..5689, 5654..5734, 5750..6082, 6359..6463, 6506..6700, 6752..6823, 13253..13342, 13427..13462, 13493..13921, 13591..13872, 13946..14011, 14045..14197, 14117..14221, 14141..14284, 14447..14575, 24594..24701, 25239..25415, 26073..26213		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o2.ts	Method	TBLASTX:Soybean
Start	7082	End	16008
GI	none	Score	100
Exons	7082..7171, 7099..7164, 7202..7399, 7202..7396, 7436..7681, 7438..7596, 7893..8075, 14843..14932, 14860..14928, 14963..15160, 14965..15156, 15197..15442, 15274..15360, 15648..15767, 15649..15831, 15883..16008		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o3.tc	Method	TBLASTX:Cress
Start	7202	End	15169
GI	none	Score	229
Exons	7202..7411, 7309..7407, 15068..15169, 15070..15165		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o2.tm	Method	TBLASTX:Maize
Start	7232	End	15388
GI	none	Score	391
Exons	7232..7621, 7303..7611, 14995..15372, 14996..15388		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o5.tm	Method	TBLASTX:Maize
Start	7634	End	15996
GI	none	Score	63
Exons	7634..7681, 7892..8029, 7893..8102, 8139..8243, 15648..15785, 15649..15849, 15892..15996		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o7.gs	Method	GENSCAN
Start	26823	End	28127
GI	none	Score	.81
Exons	26823..28127		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o3.np	Method	AAT/NAP

Start	26856	End	28213
GI	4586028	Score	1094
Exons	26856..28213		
GI Descrip.	(AC007109) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o1.ts	Method	TBLASTX:Soybean
Start	26865	End	27518
GI	none	Score	317
Exons	26865..27518, 26875..27516		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o2.tc	Method	TBLASTX:Cress
Start	26872	End	27527
GI	none	Score	84
Exons	26872..27090, 26877..27098, 27129..27254, 27130..27255, 27255..27347, 27354..27527		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o1.tm	Method	TBLASTX:Maize
Start	26874	End	27536
GI	none	Score	70
Exons	26874..27104, 26932..27108, 27129..27536, 27181..27282, 27325..27513		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o4.tw	Method	TBLASTX:Wheat
Start	27282	End	27668
GI	none	Score	35
Exons	27282..27539, 27293..27331, 27409..27540, 27549..27668, 27577..27648		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o1.tw	Method	TBLASTX:Wheat
Start	27678	End	28208
GI	none	Score	49
Exons	27678..27887, 27684..27809, 27879..28208, 27925..28065, 28132..28206		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o3.tm	Method	TBLASTX:Maize
Start	27792	End	28212
GI	none	Score	90
Exons	27792..28211, 27904..28065, 27918..28070, 28132..28212		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o4.ts	Method	TBLASTX:Soybean
Start	27909	End	28212
GI	5509260	Score	79
Exons	27909..28211, 27913..28065, 28132..28212		
GI Descrip.	-		

Seq. No.	32733	Seq. ID	OJ990608_01.0103.C43
Gene No.	67898	Strand	-
Start	26823	End	28213
Name	OJ990608_01.0103.C43.o4.tc	Method	TBLASTX:Cress
Start	28005	End	28211
GI	none	Score	96
Exons	28005..28211, 28006..28206, 28122..28208		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67899	Strand	+
Start	100	End	11245
Name	OJ990608_01.0103.C44.o1.gs	Method	GENSCAN
Start	100	End	11245
GI	none	Score	46
Exons	100..212, 444..575, 2159..2399, 3181..3198, 3448..3798, 3804..4027, 6747..7110, 9820..10005, 10331..10457, 10814..10974, 10979..11245		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67899	Strand	+
Start	100	End	11245
Name	OJ990608_01.0103.C44.o1.gp	Method	AAT/GAP
Start	4434	End	4685
GI	101153_1.R1084	Score	386
Exons	4434..4685		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67899	Strand	+
Start	100	End	11245
Name	OJ990608_01.0103.C44.o3.gp	Method	AAT/GAP
Start	5663	End	5938
GI	61605_1.R1084	Score	466
Exons	5663..5938		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67900	Strand	+
Start	14823	End	20425
Name	OJ990608_01.0103.C44.o3.np	Method	AAT/NAP
Start	14823	End	20425
GI	2130082	Score	2896
Exons	14823..15320, 15390..17563, 20023..20425		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723)		

receptor kinase-like protein [Oryza longistaminata]
gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67901	Strand	-
Start	1	End	2069
Name	OJ990608_01.0103.C44.o1.np	Method	AAT/NAP
Start	1	End	1869
GI	421954	Score	818
Exons	1..139, 182..545, 635..1869		
GI Descrip.	hypothetical protein 3 - potato transposon Tst1 gi|21433|emb|CAA36615| (X52387) ORF3 [Solanum tuberosum]		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67901	Strand	-
Start	1	End	2069
Name	OJ990608_01.0103.C44.o2.np	Method	AAT/NAP
Start	1	End	1974
GI	4996361	Score	457
Exons	1..60, 741..1974		
GI Descrip.	(AB021263) polyprotein [Arabidopsis thaliana]		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67901	Strand	-
Start	1	End	2069
Name	OJ990608_01.0103.C44.o2.tc	Method	TBLASTX:Cress
Start	740	End	1183
GI	none	Score	96
Exons	740..913, 894..1181, 935..1183		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67901	Strand	-
Start	1	End	2069
Name	OJ990608_01.0103.C44.o4.tm	Method	TBLASTX:Maize
Start	740	End	1264
GI	none	Score	105
Exons	740..1264, 990..1241		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67901	Strand	-
Start	1	End	2069
Name	OJ990608_01.0103.C44.o1.tw	Method	TBLASTX:Wheat
Start	800	End	1411
GI	none	Score	98
Exons	800..877, 872..961, 977..1411, 1005..1298		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67901	Strand	-
Start	1	End	2069
Name	OJ990608_01.0103.C44.o3.ts	Method	TBLASTX:Soybean
Start	1019	End	1480
GI	none	Score	86
Exons	1019..1324, 1020..1286, 1334..1420, 1451..1480		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67901	Strand	-

Start	1	End	2069
Name	OJ990608_01.0103.C44.o1.tm	Method	TBLASTX:Maize
Start	1270	End	1724
GI	none	Score	97
Exons	1270..1356, 1271..1351, 1355..1579, 1355..1714, 1356..1724		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67901	Strand	-
Start	1	End	2069
Name	OJ990608_01.0103.C44.o5.tm	Method	TBLASTX:Maize
Start	1826	End	2069
GI	none	Score	161
Exons	1826..1981, 1827..2012, 1984..2055, 1989..2054, 1998..2069		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67902	Strand	
Start	14946	End	20384
Name	OJ990608_01.0103.C44.o3.tw	Method	TBLASTX:Wheat
Start	14946	End	15180
GI	none	Score	51
Exons	14946..15023, 14946..15029, 14962..15042, 15002..15172, 15007..15180, 15022..15180		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67902	Strand	
Start	14946	End	20384
Name	OJ990608_01.0103.C44.o2.ts	Method	TBLASTX:Soybean
Start	15037	End	16749
GI	none	Score	259
Exons	15037..15450, 15037..15375, 15049..15447, 15052..15450, 15052..15522, 15139..15681, 15150..15314, 15189..15521, 15322..15453, 15396..15665, 15505..15675, 15610..15681, 15667..15873, 15667..15873, 15667..15870, 15703..15870, 15868..15981, 16000..16392, 16000..16191, 16003..16392, 16003..16269, 16003..16365, 16003..16338, 16012..16335, 16027..16365, 16038..16193, 16074..16337, 16107..16337, 16138..16365, 16140..16337, 16161..16343, 16360..16701, 16369..16563, 16372..16749, 16372..16701, 16375..16701, 16375..16704, 16375..16497, 16375..16701, 16389..16562, 16573..16701, 16636..16749		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67902	Strand	
Start	14946	End	20384
Name	OJ990608_01.0103.C44.o3.tm	Method	TBLASTX:Maize
Start	15037	End	16701
GI	none	Score	227
Exons	15037..15450, 15052..15447, 15052..15429, 15139..15672, 15250..15522, 15403..15675, 15414..15614, 15508..15681, 15571..15675, 15667..15852, 15667..15873, 15786..15815, 15979..16365, 16003..16365, 16003..16245, 16012..16338, 16012..16356, 16069..16356, 16156..16365, 16360..16701, 16372..16701, 16375..16611, 16375..16701, 16375..16698, 16375..16701, 16501..16701		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67902	Strand	

Start	14946	End	20384
Name	OJ990608_01.0103.C44.o1.tc	Method	TBLASTX:Cress
Start	15040	End	20123
GI	none	Score	220
Exons	15040..15450, 15043..15327, 15052..15399, 15070..15450, 15136..15450, 15136..15675, 15139..15285, 15144..15467, 15151..15387, 15157..15450, 15163..15447, 15216..15458, 15222..15374, 15351..15608, 15370..15522, 15438..15593, 15502..15675, 15505..15681, 15571..15681, 15607..15684, 15667..15849, 15694..15894, 15736..15852, 15907..15975, 16003..16389, 16003..16284, 16003..16371, 16003..16368, 16003..16368, 16003..16347, 16003..16347, 16018..16347, 16045..16377, 16063..16254, 16063..16368, 16078..16365, 16080..16343, 16138..16392, 16233..16337, 16251..16346, 16288..16338, 16360..16575, 16372..16701, 16374..16703, 16375..16701, 16375..16701, 16375..16509, 16375..16578, 16375..16701, 16375..16551, 16375..16701, 16375..16701, 16381..16701, 16384..16653, 16401..16577, 16408..16701, 16429..16698, 16429..16617, 16467..16646, 16477..16701, 16510..16689, 16510..16701, 16528..16701, 16654..16701, 17215..17289, 17329..17484, 20016..20123		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67902	Strand	
Start	14946	End	20384
Name	OJ990608_01.0103.C44.o2.tw	Method	TBLASTX:Wheat
Start	15181	End	16650
GI	none	Score	150
Exons	15181..15429, 15417..15614, 15438..15548, 15595..15849, 15823..16230, 15868..15960, 15870..16223, 15997..16173, 16075..16320, 16147..16392, 16267..16611, 16564..16650		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67902	Strand	
Start	14946	End	20384
Name	OJ990608_01.0103.C44.o1.ts	Method	TBLASTX:Soybean
Start	16966	End	20384
GI	none	Score	94
Exons	16966..17067, 16974..17048, 17083..17295, 17085..17276, 17089..17313, 17296..17562, 17296..17496, 20022..20231, 20262..20384		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67902	Strand	
Start	14946	End	20384
Name	OJ990608_01.0103.C44.o3.tc	Method	TBLASTX:Cress
Start	16966	End	17211
GI	none	Score	79
Exons	16966..17046, 17070..17210, 17071..17211		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67902	Strand	
Start	14946	End	20384
Name	OJ990608_01.0103.C44.o2.tm	Method	TBLASTX:Maize
Start	17115	End	17502
GI	none	Score	402
Exons	17115..17276, 17116..17502, 17131..17286, 17331..17492		

Seq. No.	32734	Seq. ID	OJ990608_01.0103.C44
Gene No.	67903	Strand	
Start	21421	End	21727
Name	OJ990608_01.0103.C44.o6.tm	Method	TBLASTX:Maize
Start	21421	End	21727
GI	none	Score	57
Exons	21421..21465, 21423..21467, 21503..21727, 21516..21725		

Seq. No.	32735	Seq. ID	OJ990608_01.0103.C47
Gene No.	67904	Strand	-
Start	183	End	271
Name	OJ990608_01.0103.C47.o1.gp	Method	AAT/GAP
Start	183	End	271
GI	LIB3477-003-P1-K1-E9	Score	128
Exons	183..271		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32736	Seq. ID	OJ990608_01.0103.C48
Gene No.	67905	Strand	+
Start	1	End	448
Name	OJ990608_01.0103.C48.o1.np	Method	AAT/NAP
Start	1	End	448
GI	5852180	Score	113
Exons	1..21, 183..448		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32736	Seq. ID	OJ990608_01.0103.C48
Gene No.	67905	Strand	+
Start	1	End	448
Name	OJ990608_01.0103.C48.o1.gs	Method	GENSCAN
Start	183	End	357
GI	none	Score	.92
Exons	183..357		

Seq. No.	32737	Seq. ID	OJ990608_02.0103.C1
Gene No.	67906	Strand	+
Start	1	End	489
Name	OJ990608_02.0103.C1.o1.gp	Method	AAT/GAP
Start	1	End	489
GI	342_1.R1084	Score	902
Exons	1..489		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	32738	Seq. ID	OJ990608_02.0103.C2
Gene No.	67907	Strand	+
Start	847	End	1552
Name	OJ990608_02.0103.C2.o1.np	Method	AAT/NAP
Start	847	End	1552
GI	4680204	Score	279
Exons	847..1552		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32739	Seq. ID	OJ990608_02.0103.C3

Gene No.	67908	Strand	-
Start	1	End	1054
Name	OJ990608_02.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	1054
GI	2924509	Score	441
Exons	1..510, 760..1054		
GI Descrip.	(AL022023) subtilisin proteinase-like [Arabidopsis thaliana]		

Seq. No.	32739	Seq. ID	OJ990608_02.0103.C3
Gene No.	67908	Strand	-
Start	1	End	1054
Name	OJ990608_02.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	1	End	943
GI	none	Score	133
Exons	1..378, 5..208, 263..391, 391..453, 787..942, 809..943		

Seq. No.	32739	Seq. ID	OJ990608_02.0103.C3
Gene No.	67908	Strand	-
Start	1	End	1054
Name	OJ990608_02.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	943
GI	none	Score	219
Exons	1..408, 35..427, 391..459, 769..942, 812..943		

Seq. No.	32739	Seq. ID	OJ990608_02.0103.C3
Gene No.	67908	Strand	-
Start	1	End	1054
Name	OJ990608_02.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	10	End	945
GI	none	Score	180
Exons	10..408, 11..391, 271..408, 391..462, 392..463, 787..849, 862..945		

Seq. No.	32739	Seq. ID	OJ990608_02.0103.C3
Gene No.	67908	Strand	-
Start	1	End	1054
Name	OJ990608_02.0103.C3.o1.gs	Method	GENSCAN
Start	11	End	949
GI	none	Score	.78
Exons	11..460, 579..676, 688..949		

Seq. No.	32740	Seq. ID	OJ990608_02.0103.C6
Gene No.	67909	Strand	-
Start	232	End	876
Name	OJ990608_02.0103.C6.o1.gs	Method	GENSCAN
Start	232	End	876
GI	none	Score	.67
Exons	232..348, 691..723, 817..876		

Seq. No.	32741	Seq. ID	OJ990608_02.0103.C7
Gene No.	67910	Strand	-
Start	1	End	655
Name	OJ990608_02.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	655
GI	5042454	Score	472
Exons	1..78, 282..655		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32741	Seq. ID	OJ990608_02.0103.C7
Gene No.	67910	Strand	-
Start	1	End	655
Name	OJ990608_02.0103.C7.o1.gs	Method	GENSCAN
Start	278	End	613
GI	none	Score	1
Exons	278..613		

Seq. No.	32741	Seq. ID	OJ990608_02.0103.C7
Gene No.	67910	Strand	-
Start	1	End	655
Name	OJ990608_02.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	281	End	421
GI	none	Score	122
Exons	281..421, 282..416		

Seq. No.	32742	Seq. ID	OJ990608_02.0103.C13
Gene No.	67911	Strand	-
Start	220	End	411
Name	OJ990608_02.0103.C13.o1.gs	Method	GENSCAN
Start	220	End	411
GI	none	Score	.98
Exons	220..411		

Seq. No.	32743	Seq. ID	OJ990608_02.0103.C14
Gene No.	67912	Strand	-
Start	1	End	1143
Name	OJ990608_02.0103.C14.o1.np	Method	AAT/NAP
Start	1	End	1143
GI	2326759	Score	119
Exons	1..88, 973..1143		
GI Descrip.	(Y14433) NADH dehydrogenase subunit 2 [Triticum aestivum]		

Seq. No.	32743	Seq. ID	OJ990608_02.0103.C14
Gene No.	67912	Strand	-
Start	1	End	1143
Name	OJ990608_02.0103.C14.o1.gs	Method	GENSCAN
Start	675	End	786
GI	none	Score	.41
Exons	675..786		

Seq. No.	32744	Seq. ID	OJ990608_02.0103.C15
Gene No.	67913	Strand	+
Start	1	End	1540
Name	OJ990608_02.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	1540
GI	5689465	Score	37
Exons	1..61, 314..473, 1444..1540		
GI Descrip.	(AB028987) KIAA1064 protein [Homo sapiens]		

Seq. No.	32744	Seq. ID	OJ990608_02.0103.C15
Gene No.	67913	Strand	+
Start	1	End	1540
Name	OJ990608_02.0103.C15.o1.gs	Method	GENSCAN
Start	727	End	894
GI	none	Score	.54

Exons	727..894		
Seq. No.	32745	Seq. ID	OJ990608_02.0103.C18
Gene No.	67914	Strand	+
Start	52	End	678
Name	OJ990608_02.0103.C18.o1.tw	Method	TBLASTX:Wheat
Start	1	End	399
GI	none	Score	399
Exons	1..399, 18..362, 25..366		
Seq. No.	32745	Seq. ID	OJ990608_02.0103.C18
Gene No.	67914	Strand	+
Start	52	End	678
Name	OJ990608_02.0103.C18.o1.ts	Method	TBLASTX:Soybean
Start	37	End	381
GI	none	Score	136
Exons	37..261, 268..381		
Seq. No.	32745	Seq. ID	OJ990608_02.0103.C18
Gene No.	67914	Strand	+
Start	52	End	678
Name	OJ990608_02.0103.C18.o1.np	Method	AAT/NAP
Start	52	End	678
GI	5902445	Score	1045
Exons	52..678		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	32745	Seq. ID	OJ990608_02.0103.C18
Gene No.	67914	Strand	+
Start	52	End	678
Name	OJ990608_02.0103.C18.o1.gs	Method	GENSCAN
Start	69	End	342
GI	none	Score	.52
Exons	69..342		
Seq. No.	32745	Seq. ID	OJ990608_02.0103.C18
Gene No.	67914	Strand	+
Start	52	End	678
Name	OJ990608_02.0103.C18.o1.tm	Method	TBLASTX:Maize
Start	127	End	482
GI	none	Score	238
Exons	127..360, 168..359, 386..472, 387..482		
Seq. No.	32745	Seq. ID	OJ990608_02.0103.C18
Gene No.	67914	Strand	+
Start	52	End	678
Name	OJ990608_02.0103.C18.o2.tw	Method	TBLASTX:Wheat
Start	400	End	674
GI	none	Score	61
Exons	400..576, 400..582, 401..673, 402..674		
Seq. No.	32746	Seq. ID	OJ990608_02.0103.C19
Gene No.	67915	Strand	+
Start	1	End	252
Name	OJ990608_02.0103.C19.o1.np	Method	AAT/NAP
Start	1	End	252
GI	6015578	Score	66

Exons	1..252		
GI Descrip.	(X02451) URF 4 [Zea mays]		
Seq. No.	32746	Seq. ID	OJ990608_02.0103.C19
Gene No.	67916	Strand	+
Start	236	End	1314
Name	OJ990608_02.0103.C19.o1.gs	Method	GENSCAN
Start	236	End	1314
GI	none	Score	.41
Exons	236..510, 1212..1314		
Seq. No.	32747	Seq. ID	OJ990608_02.0103.C20
Gene No.	67917	Strand	+
Start	1	End	226
Name	OJ990608_02.0103.C20.o1.np	Method	AAT/NAP
Start	1	End	226
GI	4680179	Score	381
Exons	1..226		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	32747	Seq. ID	OJ990608_02.0103.C20
Gene No.	67918	Strand	+
Start	305	End	1377
Name	OJ990608_02.0103.C20.o1.gs	Method	GENSCAN
Start	305	End	1377
GI	none	Score	.64
Exons	305..310, 604..656, 948..1155, 1282..1377		
Seq. No.	32747	Seq. ID	OJ990608_02.0103.C20
Gene No.	67919	Strand	-
Start	1428	End	2172
Name	OJ990608_02.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	5	End	202
GI	none	Score	197
Exons	5..202		
Seq. No.	32747	Seq. ID	OJ990608_02.0103.C20
Gene No.	67919	Strand	-
Start	1428	End	2172
Name	OJ990608_02.0103.C20.o1.tw	Method	TBLASTX:Wheat
Start	5	End	181
GI	none	Score	192
Exons	5..181, 5..160		
Seq. No.	32747	Seq. ID	OJ990608_02.0103.C20
Gene No.	67919	Strand	-
Start	1428	End	2172
Name	OJ990608_02.0103.C20.o2.gs	Method	GENSCAN
Start	1428	End	2172
GI	none	Score	.79
Exons	1428..1586, 1603..1763, 2157..2172		
Seq. No.	32748	Seq. ID	OJ990608_02.0103.C22
Gene No.	67920	Strand	+
Start	1	End	174
Name	OJ990608_02.0103.C22.o1.np	Method	AAT/NAP
Start	1	End	174

GI	5922623	Score	63
Exons	1..174		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32748	Seq. ID	OJ990608_02.0103.C22
Gene No.	67920	Strand	+
Start	1	End	174
Name	OJ990608_02.0103.C22.o1.gs	Method	GENSCAN
Start	26	End	174
GI	none	Score	.71
Exons	26..80, 99..174		

Seq. No.	32749	Seq. ID	OJ990608_02.0103.C25
Gene No.	67921	Strand	+
Start	1092	End	1737
Name	OJ990608_02.0103.C25.o1.tw	Method	TBLASTX:Wheat
Start	1067	End	1400
GI	none	Score	265
Exons	1067..1399, 1068..1400		

Seq. No.	32749	Seq. ID	OJ990608_02.0103.C25
Gene No.	67921	Strand	+
Start	1092	End	1737
Name	OJ990608_02.0103.C25.o1.tc	Method	TBLASTX:Cress
Start	1091	End	1701
GI	none	Score	330
Exons	1091..1435, 1092..1436, 1439..1486, 1458..1607, 1462..1617, 1627..1701		

Seq. No.	32749	Seq. ID	OJ990608_02.0103.C25
Gene No.	67921	Strand	+
Start	1092	End	1737
Name	OJ990608_02.0103.C25.o1.ts	Method	TBLASTX:Soybean
Start	1091	End	1722
GI	none	Score	398
Exons	1091..1435, 1098..1436, 1439..1486, 1458..1718, 1468..1722		

Seq. No.	32749	Seq. ID	OJ990608_02.0103.C25
Gene No.	67921	Strand	+
Start	1092	End	1737
Name	OJ990608_02.0103.C25.o1.np	Method	AAT/NAP
Start	1092	End	1725
GI	1171579	Score	641
Exons	1092..1725		
GI Descrip.	(X95342) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	32749	Seq. ID	OJ990608_02.0103.C25
Gene No.	67921	Strand	+
Start	1092	End	1737
Name	OJ990608_02.0103.C25.o1.tm	Method	TBLASTX:Maize
Start	1092	End	1737
GI	none	Score	393
Exons	1092..1439, 1097..1438, 1230..1484, 1399..1440, 1414..1485, 1439..1486, 1464..1550, 1464..1715, 1465..1737, 1627..1737		

Seq. No.	32749	Seq. ID	OJ990608_02.0103.C25
Gene No.	67921	Strand	+
Start	1092	End	1737
Name	OJ990608_02.0103.C25.o1.gs	Method	GENSCAN
Start	1101	End	1731
GI	none	Score	.89
Exons	1101..1535, 1555..1731		

Seq. No.	32749	Seq. ID	OJ990608_02.0103.C25
Gene No.	67921	Strand	+
Start	1092	End	1737
Name	OJ990608_02.0103.C25.o2.tw	Method	TBLASTX:Wheat
Start	1465	End	1679
GI	none	Score	214
Exons	1465..1671, 1468..1530, 1473..1679		

Seq. No.	32750	Seq. ID	OJ990608_02.0103.C26
Gene No.	67922	Strand	-
Start	231	End	282
Name	OJ990608_02.0103.C26.o1.gs	Method	GENSCAN
Start	231	End	282
GI	none	Score	.75
Exons	231..282		

Seq. No.	32751	Seq. ID	OJ990608_02.0103.C29
Gene No.	67923	Strand	-
Start	197	End	290
Name	OJ990608_02.0103.C29.o1.tc	Method	TBLASTX:Cress
Start	1	End	290
GI	none	Score	222
Exons	1..159, 2..160, 3..176, 162..245, 163..246, 170..253, 230..289, 240..290		

Seq. No.	32751	Seq. ID	OJ990608_02.0103.C29
Gene No.	67923	Strand	-
Start	197	End	290
Name	OJ990608_02.0103.C29.o1.gs	Method	GENSCAN
Start	197	End	250
GI	none	Score	.63
Exons	197..250		

Seq. No.	32752	Seq. ID	OJ990608_02.0103.C30
Gene No.	67924	Strand	+
Start	37	End	135
Name	OJ990608_02.0103.C30.o1.gs	Method	GENSCAN
Start	37	End	135
GI	none	Score	.94
Exons	37..135		

Seq. No.	32752	Seq. ID	OJ990608_02.0103.C30
Gene No.	67925	Strand	-
Start	1	End	661
Name	OJ990608_02.0103.C30.o1.np	Method	AAT/NAP
Start	1	End	661
GI	5902445	Score	926
Exons	1..661		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32752	Seq. ID	OJ990608_02.0103.C30
Gene No.	67925	Strand	-
Start	1	End	661
Name	OJ990608_02.0103.C30.o1.tw	Method	TBLASTX:Wheat
Start	1	End	371
GI	none	Score	54
Exons	1..93, 61..114, 71..94, 96..248, 147..371, 164..370		

Seq. No.	32752	Seq. ID	OJ990608_02.0103.C30
Gene No.	67925	Strand	-
Start	1	End	661
Name	OJ990608_02.0103.C30.o1.tm	Method	TBLASTX:Maize
Start	17	End	377
GI	none	Score	57
Exons	17..64, 67..96, 110..376, 159..377		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67926	Strand	+
Start	1078	End	1440
Name	OJ990608_02.0103.C32.o1.gp	Method	AAT/GAP
Start	1078	End	1440
GI	none	Score	645
Exons	1078..1440		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67927	Strand	+
Start	3968	End	7508
Name	OJ990608_02.0103.C32.o1.gs	Method	GENSCAN
Start	3968	End	7445
GI	none	Score	.83
Exons	3968..4543, 5507..5698, 6572..6747, 7322..7445		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67927	Strand	+
Start	3968	End	7508
Name	OJ990608_02.0103.C32.o2.np	Method	AAT/NAP
Start	3995	End	7442
GI	6456166	Score	1994
Exons	3995..4543, 5507..5757, 5842..6217, 6357..6488, 6572..6747, 7322..7442		
GI Descrip.	(AC011622) GMP synthase [Arabidopsis thaliana]		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67927	Strand	+
Start	3968	End	7508
Name	OJ990608_02.0103.C32.o2.gp	Method	AAT/GAP
Start	5983	End	7508
GI	59252_1.R1084	Score	1307
Exons	5983..6217, 6357..6488, 6572..6747, 7322..7508		
GI Descrip.	'2982942 1.0e-52 (AE000679) GMP synthase [Aquifex aeolicus]'		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67928	Strand	+
Start	8412	End	14433
Name	OJ990608_02.0103.C32.o2.gs	Method	GENSCAN
Start	8412	End	14433

GI	none	Score	.72
Exons	8412..8446, 8625..8910, 9840..9949, 10120..10217, 10312..10476, 10698..10809, 11362..11974, 12013..12110, 12229..13312, 13801..14433		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67928	Strand	+
Start	8412	End	14433
Name	OJ990608_02.0103.C32.o3.gp	Method	AAT/GAP
Start	9586	End	10773
GI	uC-osf1M202043h12b1	Score	928
Exons	9586..9652, 9840..9949, 10120..10217, 10312..10476, 10698..10773		
GI Descrip.	'3695019/gb|AAC62611.1| 3.0e-43 (AF055848) subtilisin-like protease [Arabidopsis thaliana]'		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67928	Strand	+
Start	8412	End	14433
Name	OJ990608_02.0103.C32.o3.np	Method	AAT/NAP
Start	9758	End	13339
GI	4218991	Score	1703
Exons	9758..9949, 10120..10217, 10312..10476, 10698..10809, 11362..11896, 12013..12110, 12229..13339		
GI Descrip.	(AF098632) subtilisin-like protease [Arabidopsis thaliana]		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67929	Strand	+
Start	26786	End	30013
Name	OJ990608_02.0103.C32.o4.np	Method	AAT/NAP
Start	26786	End	30010
GI	6907089	Score	4082
Exons	26786..28047, 28141..30010		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67929	Strand	+
Start	26786	End	30013
Name	OJ990608_02.0103.C32.o5.gs	Method	GENSCAN
Start	26786	End	30013
GI	none	Score	.91
Exons	26786..30013		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67930	Strand	+
Start	36821	End	40040
Name	OJ990608_02.0103.C32.o8.np	Method	AAT/NAP
Start	36821	End	40040
GI	81286	Score	148
Exons	36821..36913, 37279..37361, 38473..38754, 38791..38852, 39983..40040		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67930	Strand	+
Start	36821	End	40040
Name	OJ990608_02.0103.C32.o6.np	Method	AAT/NAP

Start	36852	End	37696
GI	5922623	Score	413
Exons	36852..36932, 37306..37453, 37621..37696		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67931	Strand	-
Start	18785	End	21355
Name	OJ990608_02.0103.C32.o3.gs	Method	GENSCAN
Start	18785	End	21355
GI	none	Score	.6
Exons	18785..18971, 19810..20006, 21134..21355		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67932	Strand	-
Start	23710	End	25658
Name	OJ990608_02.0103.C32.o4.gs	Method	GENSCAN
Start	23710	End	25658
GI	none	Score	.53
Exons	23710..23837, 24738..24783, 24797..24863, 24915..25051, 25545..25658		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67933	Strand	-
Start	30623	End	36269
Name	OJ990608_02.0103.C32.o5.np	Method	AAT/NAP
Start	30623	End	36269
GI	6498441	Score	6793
Exons	30623..30904, 30998..32395, 32567..33051, 33244..33482, 33657..33791, 33975..34348, 34412..34875, 35206..36269		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o8.tm	Method	TBLASTX:Maize
Start	796	End	1025
GI	none	Score	287
Exons	796..1005, 797..1006, 797..1021, 801..1025		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o3.tm	Method	TBLASTX:Maize
Start	4006	End	4356
GI	none	Score	495
Exons	4006..4356, 4013..4351		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o2.ts	Method	TBLASTX:Soybean
Start	4019	End	4426

GI	none	Score	380
Exons	4019..4348, 4021..4344, 4394..4426		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o4.tc	Method	TBLASTX:Cress
Start	4024	End	4423
GI	none	Score	373
Exons	4024..4350, 4025..4351, 4367..4423		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o7.tm	Method	TBLASTX:Maize
Start	4502	End	5701
GI	none	Score	80
Exons	4502..4546, 5504..5701, 5506..5700		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o4.ts	Method	TBLASTX:Soybean
Start	5516	End	5760
GI	none	Score	360
Exons	5516..5758, 5522..5746, 5524..5760		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o2.tc	Method	TBLASTX:Cress
Start	5636	End	6217
GI	none	Score	185
Exons	5636..5758, 5650..5760, 5845..5979, 5846..6043, 6098..6163, 6149..6217		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o1.tm	Method	TBLASTX:Maize
Start	5702	End	7450
GI	none	Score	98
Exons	5702..5758, 5704..5760, 5704..5760, 5834..6220, 5839..6159, 5843..6217, 5985..6218, 6353..6490, 6354..6491, 6355..6501, 6355..6489, 6356..6490, 6550..6750, 6551..6751, 6554..6751, 7320..7445, 7321..7446, 7322..7447, 7322..7450, 7323..7448		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o6.ts	Method	TBLASTX:Soybean
Start	5854	End	6043
GI	none	Score	209
Exons	5854..6039, 5864..6043		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-

Start	37012	End	41133
Name	OJ990608_02.0103.C32.o3.tw	Method	TBLASTX:Wheat
Start	6185	End	6752
GI	none	Score	59
Exons	6185..6220, 6354..6491, 6355..6489, 6356..6490, 6551..6751, 6554..6751, 6564..6752		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o3.tc	Method	TBLASTX:Cress
Start	6354	End	7463
GI	none	Score	205
Exons	6354..6491, 6356..6490, 6550..6708, 6551..6688, 6568..6690, 6680..6751, 6701..6748, 7323..7463, 7328..7444		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o3.ts	Method	TBLASTX:Soybean
Start	10142	End	11896
GI	none	Score	40
Exons	10142..10222, 10305..10421, 11360..11392, 11435..11668, 11551..11667, 11687..11896, 11722..11880		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o9.tm	Method	TBLASTX:Maize
Start	10284	End	36596
GI	none	Score	60
Exons	10284..10421, 10416..10478, 11359..11439, 11438..11668, 11545..11667, 36450..36596		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o1.tc	Method	TBLASTX:Cress
Start	10697	End	13336
GI	none	Score	56
Exons	10697..10732, 10730..10801, 11360..11386, 11438..11668, 11545..11667, 11690..11896, 11707..11880, 12236..12298, 12298..12426, 12311..12844, 12481..12834, 12850..12963, 12851..13021, 13022..13072, 13163..13336		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o9.tw	Method	TBLASTX:Wheat
Start	11504	End	11881
GI	none	Score	95
Exons	11504..11587, 11591..11674, 11699..11881, 11707..11880		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o2.tm	Method	TBLASTX:Maize

Start	11699	End	13342
GI	none	Score	101
Exons	11699..11839, 11734..11838, 11839..11895, 11840..11896, 12226..12297, 12227..12298, 12281..12844, 12281..12418, 12298..12825, 12850..12963, 12851..12964, 13016..13066, 13130..13249, 13277..13342		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o1.ts	Method	TBLASTX:Soybean
Start	12235	End	13333
GI	none	Score	139
Exons	12235..12432, 12236..12433, 12470..12985, 12508..12972, 13040..13072, 13088..13216, 13274..13333		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o11.tw	Method	TBLASTX:Wheat
Start	13216	End	13349
GI	none	Score	182
Exons	13216..13347, 13220..13348, 13271..13348, 13299..13349		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o4.tw	Method	TBLASTX:Wheat
Start	24711	End	34991
GI	none	Score	157
Exons	24711..24875, 34508..34990, 34536..34796, 34818..34991		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o8.tw	Method	TBLASTX:Wheat
Start	30632	End	31234
GI	none	Score	83
Exons	30632..30757, 30636..30758, 30950..31234, 30951..31229		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o5.tw	Method	TBLASTX:Wheat
Start	31235	End	31616
GI	none	Score	166
Exons	31235..31615, 31266..31514, 31560..31616		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o5.tm	Method	TBLASTX:Maize
Start	31421	End	31753
GI	none	Score	97
Exons	31421..31633, 31430..31753, 31443..31736		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32

Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o10.tw	Method	TBLASTX:Wheat
Start	31946	End	32258
GI	none	Score	66
Exons	31946..32206, 32082..32258		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o7.ts	Method	TBLASTX:Soybean
Start	32006	End	32572
GI	5666795	Score	68
Exons	32006..32206, 32261..32398, 32474..32572		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o6.tw	Method	TBLASTX:Wheat
Start	32261	End	32719
GI	none	Score	92
Exons	32261..32410, 32262..32399, 32457..32630, 32471..32719, 32471..32695		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o5.ts	Method	TBLASTX:Soybean
Start	33320	End	33691
GI	none	Score	90
Exons	33320..33691, 33531..33674		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o2.tw	Method	TBLASTX:Wheat
Start	33345	End	33770
GI	none	Score	328
Exons	33345..33770, 33350..33769		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o6.tm	Method	TBLASTX:Maize
Start	33443	End	33827
GI	none	Score	221
Exons	33443..33826, 33462..33827		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o4.tm	Method	TBLASTX:Maize
Start	33854	End	34210
GI	none	Score	114
Exons	33854..34159, 33854..34210, 33864..34175		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o1.tw	Method	TBLASTX:Wheat
Start	33878	End	34340
GI	none	Score	399
Exons	33878..34339, 33879..34340		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o8.ts	Method	TBLASTX:Soybean
Start	33935	End	34300
GI	none	Score	117
Exons	33935..34069, 34076..34300		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o7.tw	Method	TBLASTX:Wheat
Start	35729	End	36121
GI	none	Score	89
Exons	35729..35986, 35763..36002, 35969..36067, 35970..36050, 36074..36121		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o10.tm	Method	TBLASTX:Maize
Start	35831	End	36116
GI	none	Score	103
Exons	35831..36079, 35832..36116		

Seq. No.	32753	Seq. ID	OJ990608_02.0103.C32
Gene No.	67934	Strand	-
Start	37012	End	41133
Name	OJ990608_02.0103.C32.o7.np	Method	AAT/NAP
Start	37012	End	41133
GI	5042454	Score	136
Exons	37012..37067, 37291..37453, 41089..41133		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67935	Strand	+
Start	3759	End	8467
Name	OJ990608_02.0103.C33.o1.gs	Method	GENSCAN
Start	3759	End	8467
GI	none	Score	.99
Exons	3759..3867, 4003..4037, 4273..4366, 4496..4692, 5958..6202, 6320..6677, 6761..7336, 8192..8467		

Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67935	Strand	+
Start	3759	End	8467
Name	OJ990608_02.0103.C33.o1.np	Method	AAT/NAP
Start	6007	End	8464
GI	6850880	Score	1494

Exons	6007..6202, 6320..6677, 6761..7336, 8192..8464		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67935	Strand	+
Start	3759	End	8467
Name	OJ990608_02.0103.C33.o1.gp	Method	AAT/GAP
Start	6049	End	6634
GI	96544_1.R1084	Score	835
Exons	6049..6202, 6320..6634		
GI Descrip.	'3786007 3.0e-20 (AC005499) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67935	Strand	+
Start	3759	End	8467
Name	OJ990608_02.0103.C33.o2.gp	Method	AAT/GAP
Start	6115	End	6696
GI	96544_1.R1084	Score	743
Exons	6115..6202, 6320..6696		
GI Descrip.	'3786007 3.0e-20 (AC005499) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67935	Strand	+
Start	3759	End	8467
Name	OJ990608_02.0103.C33.o3.gp	Method	AAT/GAP
Start	6920	End	7356
GI	LIB3431-034-P1-K1-D3	Score	794
Exons	6920..7356		
GI Descrip.	'4539335/emb|CAB37483.1| 5.0e-56 (AL035539) putative protein [Arabidopsis thaliana]'		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67936	Strand	+
Start	15777	End	16363
Name	OJ990608_02.0103.C33.o6.gp	Method	AAT/GAP
Start	15581	End	15671
GI	90742_1.R1084	Score	101
Exons	15581..15671		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67936	Strand	+
Start	15777	End	16363
Name	OJ990608_02.0103.C33.o3.gs	Method	GENSCAN
Start	15777	End	16363
GI	none	Score	.69
Exons	15777..15863, 15869..16363		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67937	Strand	+
Start	20256	End	20309
Name	OJ990608_02.0103.C33.o7.gp	Method	AAT/GAP
Start	20256	End	20309
GI	60938_1.R1084	Score	84

Exons	20256..20309		
GI Descrip.	'2653285/emb|CAA05816| 6.0e-40 (AJ003025) enoyl-ACP reductase [Oryza sativa]'		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67938	Strand	-
Start	8320	End	8824
Name	OJ990608_02.0103.C33.o4.gp	Method	AAT/GAP
Start	8320	End	8824
GI	3460_1.R1084	Score	909
Exons	8320..8824		
GI Descrip.	'3786007 3.0e-10 (AC005499) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67939	Strand	-
Start	10347	End	12337
Name	OJ990608_02.0103.C33.o2.gs	Method	GENSCAN
Start	10347	End	12037
GI	none	Score	.67
Exons	10347..10573, 10647..11165, 11262..11438, 11456..11663, 11687..12037		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67939	Strand	-
Start	10347	End	12337
Name	OJ990608_02.0103.C33.o2.np	Method	AAT/NAP
Start	10358	End	11773
GI	2832691	Score	780
Exons	10358..10573, 10647..11165, 11262..11438, 11645..11773		
GI Descrip.	(AL021713) polygalacturonase-like protein [Arabidopsis thaliana]		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67939	Strand	-
Start	10347	End	12337
Name	OJ990608_02.0103.C33.o5.gp	Method	AAT/GAP
Start	11714	End	12337
GI	none	Score	1004
Exons	11714..11773, 11870..12337		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67940	Strand	-
Start	17910	End	20291
Name	OJ990608_02.0103.C33.o2.tm	Method	TBLASTX:Maize
Start	6036	End	8469
GI	none	Score	94
Exons	6036..6194, 6318..6677, 6413..6679, 6567..6680, 6758..6967, 6775..6981, 6958..7332, 6980..7336, 6989..7333, 8191..8469, 8192..8461		
Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67940	Strand	-
Start	17910	End	20291
Name	OJ990608_02.0103.C33.o1.tc	Method	TBLASTX:Cress
Start	6317	End	7297
GI	none	Score	467
Exons	6317..6535, 6318..6677, 6474..6656, 6563..6661, 6752..7297,		

6758..7288

Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67940	Strand	-
Start	17910	End	20291
Name	OJ990608_02.0103.C33.o1.ts	Method	TBLASTX:Soybean
Start	6318	End	8389
GI	none	Score	359
Exons	6318..6677, 6380..6514, 6552..6677, 6605..6679, 6752..6976, 6764..6985, 6775..6981, 6976..7332, 6980..7336, 6983..7333, 8191..8382, 8192..8389, 8270..8383		

Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67940	Strand	-
Start	17910	End	20291
Name	OJ990608_02.0103.C33.o1.tw	Method	TBLASTX:Wheat
Start	6977	End	7342
GI	none	Score	459
Exons	6977..7333, 6988..7329, 7157..7342, 7162..7335		

Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67940	Strand	-
Start	17910	End	20291
Name	OJ990608_02.0103.C33.o3.tc	Method	TBLASTX:Cress
Start	8192	End	8508
GI	none	Score	329
Exons	8192..8455, 8200..8508		

Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67940	Strand	-
Start	17910	End	20291
Name	OJ990608_02.0103.C33.o2.tw	Method	TBLASTX:Wheat
Start	8234	End	8487
GI	none	Score	289
Exons	8234..8464, 8236..8487		

Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67940	Strand	-
Start	17910	End	20291
Name	OJ990608_02.0103.C33.o1.tm	Method	TBLASTX:Maize
Start	10338	End	11920
GI	none	Score	255
Exons	10338..10571, 10355..10576, 10376..10576, 10647..10703, 10648..10701, 10695..11165, 10696..11163, 10993..11166, 11096..11164, 11260..11310, 11262..11345, 11263..11346, 11352..11444, 11353..11442, 11364..11444, 11632..11664, 11654..11722, 11655..11714, 11870..11920		

Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67940	Strand	-
Start	17910	End	20291
Name	OJ990608_02.0103.C33.o2.tc	Method	TBLASTX:Cress
Start	10433	End	11722
GI	none	Score	50
Exons	10433..10507, 10434..10484, 10487..10567, 10488..10562, 10674..10751, 10678..10752, 10729..11046, 10761..11165, 11092..11157, 11262..11336, 11639..11722		

Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67940	Strand	-
Start	17910	End	20291
Name	OJ990608_02.0103.C33.o2.ts	Method	TBLASTX:Soybean
Start	10434	End	11141
GI	none	Score	39
Exons	10434..10481, 10487..10567, 10503..10562, 10647..11141, 10669..10971, 11008..11106		

Seq. No.	32754	Seq. ID	OJ990608_02.0103.C33
Gene No.	67940	Strand	-
Start	17910	End	20291
Name	OJ990608_02.0103.C33.o4.gs	Method	GENSCAN
Start	17910	End	20291
GI	none	Score	.72
Exons	17910..18003, 18769..18951, 19213..19277, 19342..19442, 20222..20291		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67941	Strand	+
Start	79	End	4015
Name	OJ990608_02.0103.C34.o1.gp	Method	AAT/GAP
Start	79	End	1760
GI	60938_1.R1084	Score	860
Exons	79..334, 1351..1460, 1552..1607, 1696..1760		
GI Descrip.	'2653285/emb|CAA05816| 6.0e-40 (AJ003025) enoyl-ACP reductase [Oryza sativa]'		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67941	Strand	+
Start	79	End	4015
Name	OJ990608_02.0103.C34.o1.gs	Method	GENSCAN
Start	85	End	3680
GI	none	Score	.76
Exons	85..334, 1351..1460, 1860..1907, 2063..2137, 3018..3075, 3345..3443, 3550..3680		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67941	Strand	+
Start	79	End	4015
Name	OJ990608_02.0103.C34.o1.np	Method	AAT/NAP
Start	85	End	3677
GI	2653285	Score	1494
Exons	85..334, 1351..1460, 1552..1607, 1696..1780, 1860..1907, 2063..2137, 2242..2353, 2665..2716, 2801..2852, 3018..3092, 3338..3443, 3550..3677		
GI Descrip.	(AJ003025) enoyl-ACP reductase [Oryza sativa]		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67941	Strand	+
Start	79	End	4015
Name	OJ990608_02.0103.C34.o2.gp	Method	AAT/GAP
Start	3327	End	4015
GI	86185_1.R1084	Score	1015
Exons	3327..3443, 3550..4015		
GI Descrip.	'2653285/emb|CAA05816| 2.0e-23 (AJ003025) enoyl-ACP reductase		

[Oryza sativa]'

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67942	Strand	+
Start	4477	End	7004
Name	OJ990608_02.0103.C34.o2.gs	Method	GENSCAN
Start	4477	End	7004
GI	none	Score	.51
Exons	4477..4781, 6974..7004		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67943	Strand	+
Start	11783	End	14376
Name	OJ990608_02.0103.C34.o3.np	Method	AAT/NAP
Start	11783	End	14376
GI	4960154	Score	116
Exons	11783..11822, 12641..12918, 14348..14376		
GI Descrip.	(AF153283) putative progesterone-binding protein homolog [Arabidopsis thaliana]		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67944	Strand	-
Start	9960	End	12066
Name	OJ990608_02.0103.C34.o2.np	Method	AAT/NAP
Start	9960	End	12066
GI	4678270	Score	92
Exons	9960..9982, 11985..12066		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67945	Strand	-
Start	15759	End	17865
Name	OJ990608_02.0103.C34.o1.tm	Method	TBLASTX:Maize
Start	78	End	3751
GI	none	Score	94
Exons	78..170, 79..174, 81..161, 82..174, 261..338, 262..336, 264..338, 1339..1458, 1340..1459, 1341..1502, 1341..1460, 1551..1607, 1551..1610, 1552..1608, 1694..1783, 1700..1780, 1859..1909, 1860..1907, 2050..2139, 2063..2140, 2241..2360, 2241..2360, 2627..2719, 2654..2716, 2775..2849, 2802..2855, 2804..2854, 2999..3076, 3018..3077, 3336..3440, 3343..3441, 3344..3442, 3530..3685, 3549..3686, 3549..3686, 3553..3687, 3556..3687, 3557..3688, 3688..3750, 3689..3751		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67945	Strand	-
Start	15759	End	17865
Name	OJ990608_02.0103.C34.o1.tc	Method	TBLASTX:Cress
Start	1340	End	2334
GI	none	Score	156
Exons	1340..1459, 1341..1502, 1551..1610, 1552..1605, 1697..1783, 1697..1783, 1859..1903, 1860..1907, 2050..2139, 2063..2140, 2239..2334, 2241..2333		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67945	Strand	-
Start	15759	End	17865

Name	OJ990608_02.0103.C34.o2.ts	Method	TBLASTX:Soybean
Start	1697	End	2361
GI	none	Score	136
Exons	1697..1783, 1703..1783, 1860..1907, 2062..2139, 2063..2140, 2239..2361, 2241..2354		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67945	Strand	-
Start	15759	End	17865
Name	OJ990608_02.0103.C34.o1.tw	Method	TBLASTX:Wheat
Start	2269	End	3650
GI	none	Score	75
Exons	2269..2361, 2277..2360, 2326..2361, 2628..2717, 2651..2737, 2659..2715, 2661..2720, 2793..2855, 2800..2862, 2802..2855, 2999..3076, 3018..3077, 3343..3441, 3344..3442, 3530..3646, 3546..3650, 3549..3650		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67945	Strand	-
Start	15759	End	17865
Name	OJ990608_02.0103.C34.o2.tc	Method	TBLASTX:Cress
Start	2628	End	3650
GI	none	Score	90
Exons	2628..2717, 2654..2719, 2661..2720, 2663..2734, 2793..2849, 2801..2854, 2802..2855, 3017..3082, 3018..3077, 3343..3441, 3344..3442, 3344..3442, 3546..3590, 3548..3607, 3549..3611, 3612..3650		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67945	Strand	-
Start	15759	End	17865
Name	OJ990608_02.0103.C34.o1.ts	Method	TBLASTX:Soybean
Start	2652	End	3667
GI	none	Score	87
Exons	2652..2717, 2660..2719, 2663..2734, 2801..2854, 2802..2855, 3017..3076, 3018..3077, 3343..3441, 3344..3442, 3355..3444, 3530..3667, 3545..3661, 3549..3665		

Seq. No.	32755	Seq. ID	OJ990608_02.0103.C34
Gene No.	67945	Strand	-
Start	15759	End	17865
Name	OJ990608_02.0103.C34.o4.np	Method	AAT/NAP
Start	15759	End	17865
GI	4678270	Score	99
Exons	15759..15793, 17746..17865		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67946	Strand	+
Start	888	End	3688
Name	OJ990608_02.0103.C35.o1.np	Method	AAT/NAP
Start	888	End	3685
GI	4680179	Score	4752
Exons	888..3685		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35

Gene No.	67946	Strand	+
Start	888	End	3688
Name	OJ990608_02.0103.C35.o1.gs	Method	GENSCAN
Start	918	End	2017
GI	none	Score	.74
Exons	918..2017		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67946	Strand	+
Start	888	End	3688
Name	OJ990608_02.0103.C35.o2.gs	Method	GENSCAN
Start	2138	End	3688
GI	none	Score	.81
Exons	2138..2564, 2712..2900, 3051..3688		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67947	Strand	+
Start	7711	End	7853
Name	OJ990608_02.0103.C35.o1.gp	Method	AAT/GAP
Start	7711	End	7853
GI	LIB3431-027-P1-K1-D5	Score	228
Exons	7711..7853		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67948	Strand	+
Start	9492	End	9944
Name	OJ990608_02.0103.C35.o4.gs	Method	GENSCAN
Start	9492	End	9944
GI	none	Score	.99
Exons	9492..9944		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67948	Strand	+
Start	9492	End	9944
Name	OJ990608_02.0103.C35.o4.np	Method	AAT/NAP
Start	9492	End	9941
GI	81812	Score	254
Exons	9492..9941		
GI Descrip.	seed maturation protein - soybean gi|18750|emb|CAA45126| (X63565) soybean seed maturation polypeptides [Glycine max] gi|169963 (M97285) maturation protein [Glycine max] gi|1079650 (U38246) late embryogenesis abundant protein [Glycine soja] gi|445632|prf||1909377A maturation protein GmPM9 [Glycine max]		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67949	Strand	+
Start	10820	End	12679
Name	OJ990608_02.0103.C35.o5.gs	Method	GENSCAN
Start	10820	End	12679
GI	none	Score	.73
Exons	10820..10836, 11442..11486, 12160..12312, 12538..12574, 12611..12679		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67950	Strand	-

Start	3957	End	4602
Name	OJ990608_02.0103.C35.o2.np	Method	AAT/NAP
Start	3957	End	4602
GI	6721559	Score	379
Exons	3957..4099, 4128..4602		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o4.tw	Method	TBLASTX:Wheat
Start	907	End	1330
GI	none	Score	76
Exons	907..1131, 917..1330, 952..1287, 959..1321		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o4.ts	Method	TBLASTX:Soybean
Start	917	End	1198
GI	none	Score	182
Exons	917..1198		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o5.tm	Method	TBLASTX:Maize
Start	917	End	1210
GI	none	Score	257
Exons	917..1210, 988..1209		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o3.tm	Method	TBLASTX:Maize
Start	1217	End	1717
GI	none	Score	161
Exons	1217..1396, 1382..1717, 1468..1599, 1469..1672, 1624..1674		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o1.ts	Method	TBLASTX:Soybean
Start	1271	End	1666
GI	none	Score	57
Exons	1271..1303, 1307..1666, 1307..1351, 1402..1665		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o5.tw	Method	TBLASTX:Wheat
Start	1379	End	1681
GI	none	Score	400
Exons	1379..1681, 1399..1680		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o2.tw	Method	TBLASTX:Wheat
Start	1682	End	2191
GI	none	Score	620
Exons	1682..2191, 1714..2025, 1760..2107		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o3.ts	Method	TBLASTX:Soybean
Start	1688	End	1933
GI	none	Score	202
Exons	1688..1933		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o2.tm	Method	TBLASTX:Maize
Start	1754	End	2119
GI	none	Score	479
Exons	1754..2107, 1756..2022, 1808..2119, 1915..2112		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o3.tw	Method	TBLASTX:Wheat
Start	2195	End	2674
GI	none	Score	593
Exons	2195..2674, 2228..2668, 2419..2673		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o1.tc	Method	TBLASTX:Cress
Start	2381	End	2698
GI	none	Score	89
Exons	2381..2554, 2555..2698, 2557..2697		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o2.ts	Method	TBLASTX:Soybean
Start	2462	End	2722
GI	none	Score	294
Exons	2462..2722, 2467..2721		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o4.tm	Method	TBLASTX:Maize
Start	2521	End	2812
GI	none	Score	385
Exons	2521..2808, 2522..2812		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35

Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o1.tw	Method	TBLASTX:Wheat
Start	2681	End	3307
GI	none	Score	722
Exons	2681..3307, 2683..3306		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o1.tm	Method	TBLASTX:Maize
Start	2861	End	3460
GI	none	Score	225
Exons	2861..3019, 2869..3015, 3019..3447, 3023..3460		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o6.tw	Method	TBLASTX:Wheat
Start	3307	End	3640
GI	none	Score	368
Exons	3307..3516, 3308..3640, 3458..3619		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o6.tm	Method	TBLASTX:Maize
Start	3464	End	3661
GI	none	Score	192
Exons	3464..3661		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o3.gs	Method	GENSCAN
Start	4539	End	7044
GI	none	Score	.71
Exons	4539..5166, 5863..5989, 6506..6586, 6948..7044		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o3.np	Method	AAT/NAP
Start	5819	End	13560
GI	4680183	Score	179
Exons	5819..5908, 6516..6586, 13539..13560		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	32756	Seq. ID	OJ990608_02.0103.C35
Gene No.	67951	Strand	-
Start	4539	End	13560
Name	OJ990608_02.0103.C35.o6.gs	Method	GENSCAN
Start	13284	End	13385
GI	none	Score	.89
Exons	13284..13385		

Seq. No.	32757	Seq. ID	OJ990608_02.0103.C36

Gene No.	67952	Strand	+
Start	349	End	962
Name	OJ990608_02.0103.C36.o1.gs	Method	GENSCAN
Start	349	End	962
GI	none	Score	.54
Exons	349..962		

Seq. No.	32758	Seq. ID	OJ990608_02.0103.C40
Gene No.	67953	Strand	-
Start	1	End	466
Name	OJ990608_02.0103.C40.o1.np	Method	AAT/NAP
Start	1	End	466
GI	462078	Score	143
Exons	1..466		
GI Descrip.	FERROUS IRON TRANSPORT PROTEIN B gi|541069|pir||A36932 iron(II) transport system protein FeoB - Escherichia coli gi|1199515|emb|CAA50387| (X71063) ferrous iron transport protein B [Escherichia coli] gi|1789813 (AE000416) ferrous iron transport protein B [Escherichia coli]		

Seq. No.	32759	Seq. ID	OJ990608_02.0103.C41
Gene No.	67954	Strand	+
Start	1	End	623
Name	OJ990608_02.0103.C41.o1.np	Method	AAT/NAP
Start	1	End	623
GI	4680179	Score	683
Exons	1..623		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32759	Seq. ID	OJ990608_02.0103.C41
Gene No.	67954	Strand	+
Start	1	End	623
Name	OJ990608_02.0103.C41.o1.tm	Method	TBLASTX:Maize
Start	24	End	398
GI	none	Score	339
Exons	24..398, 35..385		

Seq. No.	32759	Seq. ID	OJ990608_02.0103.C41
Gene No.	67954	Strand	+
Start	1	End	623
Name	OJ990608_02.0103.C41.o1.tw	Method	TBLASTX:Wheat
Start	83	End	461
GI	none	Score	345
Exons	83..460, 108..461, 120..461		

Seq. No.	32759	Seq. ID	OJ990608_02.0103.C41
Gene No.	67954	Strand	+
Start	1	End	623
Name	OJ990608_02.0103.C41.o1.gs	Method	GENSCAN
Start	324	End	446
GI	none	Score	.62
Exons	324..446		

Seq. No.	32760	Seq. ID	OJ990608_02.0103.C42
Gene No.	67955	Strand	+
Start	1	End	143
Name	OJ990608_02.0103.C42.o1.np	Method	AAT/NAP

Start	1	End	143
GI	6498441	Score	119
Exons	1..143		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32761	Seq. ID	OJ990608_02.0103.C44
Gene No.	67956	Strand	-
Start	66	End	498
Name	OJ990608_02.0103.C44.o1.gs	Method	GENSCAN
Start	66	End	498
GI	none	Score	.86
Exons	66..100, 383..498		

Seq. No.	32762	Seq. ID	OJ990608_02.0103.C46
Gene No.	67957	Strand	-
Start	89	End	214
Name	OJ990608_02.0103.C46.o1.gs	Method	GENSCAN
Start	89	End	214
GI	none	Score	.84
Exons	89..214		

Seq. No.	32762	Seq. ID	OJ990608_02.0103.C46
Gene No.	67958	Strand	-
Start	258	End	331
Name	OJ990608_02.0103.C46.o1.np	Method	AAT/NAP
Start	258	End	331
GI	114409	Score	105
Exons	258..331		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL gi|67822|pir||PWRZAM H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice mitochondrion gi|13959|emb|CAA35787| (X51422) F-1-ATPase alpha subunit (AA 1-509) [Oryza sativa]		

Seq. No.	32763	Seq. ID	OJ990608_02.0103.C50
Gene No.	67959	Strand	-
Start	612	End	1301
Name	OJ990608_02.0103.C50.o1.np	Method	AAT/NAP
Start	253	End	479
GI	1169032	Score	367
Exons	253..479		
GI Descrip.	CYTOCHROME C OXIDASE POLYPEPTIDE I gi|868015 (M14453) cytochrome c oxidase subunit I [Sorghum bicolor]		

Seq. No.	32763	Seq. ID	OJ990608_02.0103.C50
Gene No.	67959	Strand	-
Start	612	End	1301
Name	OJ990608_02.0103.C50.o1.gs	Method	GENSCAN
Start	612	End	1228
GI	none	Score	.88
Exons	612..1228		

Seq. No.	32763	Seq. ID	OJ990608_02.0103.C50
Gene No.	67959	Strand	-
Start	612	End	1301
Name	OJ990608_02.0103.C50.o2.np	Method	AAT/NAP

Start	681	End	1301
GI	629811	Score	1047
Exons	681..1301		
GI Descrip.	hypothetical protein 33 (coxI 5' region) - rice mitochondrion gi|870713 (M57903) unknown protein [Oryza sativa]		

Seq. No.	32764	Seq. ID	OJ990608_02.0103.C51
Gene No.	67960	Strand	+
Start	1	End	555
Name	OJ990608_02.0103.C51.o1.np	Method	AAT/NAP
Start	1	End	555
GI	4680183	Score	902
Exons	1..555		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	32764	Seq. ID	OJ990608_02.0103.C51
Gene No.	67960	Strand	+
Start	1	End	555
Name	OJ990608_02.0103.C51.o1.gs	Method	GENSCAN
Start	48	End	500
GI	none	Score	.94
Exons	48..500		

Seq. No.	32765	Seq. ID	OJ990608_02.0103.C52
Gene No.	67961	Strand	+
Start	373	End	431
Name	OJ990608_02.0103.C52.o1.gs	Method	GENSCAN
Start	373	End	431
GI	none	Score	.4
Exons	373..431		

Seq. No.	32766	Seq. ID	OJ990608_02.0103.C53
Gene No.	67962	Strand	-
Start	1	End	653
Name	OJ990608_02.0103.C53.o1.np	Method	AAT/NAP
Start	1	End	653
GI	4680204	Score	136
Exons	1..120, 232..653		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32766	Seq. ID	OJ990608_02.0103.C53
Gene No.	67962	Strand	-
Start	1	End	653
Name	OJ990608_02.0103.C53.o1.gs	Method	GENSCAN
Start	269	End	600
GI	none	Score	.79
Exons	269..600		

Seq. No.	32767	Seq. ID	OJ990608_02.0103.C54
Gene No.	67963	Strand	+
Start	1	End	359
Name	OJ990608_02.0103.C54.o1.gp	Method	AAT/GAP
Start	1	End	359
GI	uC-osflcyp033a04b1	Score	634
Exons	1..359		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32767	Seq. ID	OJ990608_02.0103.C54
Gene No.	67964	Strand	-
Start	1	End	829
Name	OJ990608_02.0103.C54.o1.np	Method	AAT/NAP
Start	1	End	829
GI	4680186	Score	170
Exons	1..108, 791..829		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32768	Seq. ID	OJ990608_02.0103.C56
Gene No.	67965	Strand	-
Start	171	End	268
Name	OJ990608_02.0103.C56.o1.gs	Method	GENSCAN
Start	171	End	268
GI	none	Score	.9
Exons	171..268		

Seq. No.	32769	Seq. ID	OJ990608_02.0103.C58
Gene No.	67966	Strand	+
Start	1	End	472
Name	OJ990608_02.0103.C58.o1.np	Method	AAT/NAP
Start	1	End	472
GI	6456166	Score	502
Exons	1..472		
GI Descrip.	(AC011622) GMP synthase [Arabidopsis thaliana]		

Seq. No.	32769	Seq. ID	OJ990608_02.0103.C58
Gene No.	67966	Strand	+
Start	1	End	472
Name	OJ990608_02.0103.C58.o1.ts	Method	TBLASTX:Soybean
Start	1	End	337
GI	none	Score	280
Exons	1..255, 2..259, 305..337		

Seq. No.	32769	Seq. ID	OJ990608_02.0103.C58
Gene No.	67966	Strand	+
Start	1	End	472
Name	OJ990608_02.0103.C58.o1.tc	Method	TBLASTX:Cress
Start	1	End	334
GI	none	Score	278
Exons	1..261, 2..262, 278..334		

Seq. No.	32769	Seq. ID	OJ990608_02.0103.C58
Gene No.	67966	Strand	+
Start	1	End	472
Name	OJ990608_02.0103.C58.o1.tm	Method	TBLASTX:Maize
Start	1	End	267
GI	none	Score	367
Exons	1..267, 2..262		

Seq. No.	32769	Seq. ID	OJ990608_02.0103.C58
Gene No.	67966	Strand	+
Start	1	End	472
Name	OJ990608_02.0103.C58.o1.gs	Method	GENSCAN
Start	128	End	454
GI	none	Score	.99

Exons	128..454		
Seq. No.	32770	Seq. ID	OJ990608_02.0103.C59
Gene No.	67967	Strand	+
Start	1	End	208
Name	OJ990608_02.0103.C59.o1.np	Method	AAT/NAP
Start	1	End	208
GI	976284	Score	111
Exons	1..208		
GI Descrip.	(L47194) reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	32771	Seq. ID	OJ990608_02.0103.C61
Gene No.	67968	Strand	+
Start	1	End	127
Name	OJ990608_02.0103.C61.o1.np	Method	AAT/NAP
Start	1	End	127
GI	2499245	Score	203
Exons	1..127		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 2		
Seq. No.	32772	Seq. ID	OJ990608_02.0103.C62
Gene No.	67969	Strand	-
Start	931	End	1257
Name	OJ990608_02.0103.C62.o1.gs	Method	GENSCAN
Start	931	End	1257
GI	none	Score	.43
Exons	931..1054, 1124..1257		
Seq. No.	32773	Seq. ID	OJ990608_02.0103.C63
Gene No.	67970	Strand	+
Start	48	End	533
Name	OJ990608_02.0103.C63.o1.gs	Method	GENSCAN
Start	48	End	524
GI	none	Score	.46
Exons	48..524		
Seq. No.	32773	Seq. ID	OJ990608_02.0103.C63
Gene No.	67970	Strand	+
Start	48	End	533
Name	OJ990608_02.0103.C63.o1.np	Method	AAT/NAP
Start	114	End	533
GI	5042448	Score	705
Exons	114..533		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	32774	Seq. ID	OJ990608_02.0103.C64
Gene No.	67971	Strand	+
Start	1	End	615
Name	OJ990608_02.0103.C64.o1.np	Method	AAT/NAP
Start	1	End	615
GI	4680179	Score	1014
Exons	1..615		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	32774	Seq. ID	OJ990608_02.0103.C64
Gene No.	67971	Strand	+

Start	1	End	615
Name	OJ990608_02.0103.C64.o1.tw	Method	TBLASTX:Wheat
Start	43	End	489
GI	none	Score	136
Exons	43..303, 133..210, 343..489, 360..461		

Seq. No.	32775	Seq. ID	OJ990608_02.0103.C65
Gene No.	67972	Strand	-
Start	321	End	696
Name	OJ990608_02.0103.C65.o1.gs	Method	GENSCAN
Start	321	End	696
GI	none	Score	.52
Exons	321..696		

Seq. No.	32776	Seq. ID	OJ990608_02.0103.C67
Gene No.	67973	Strand	-
Start	1	End	661
Name	OJ990608_02.0103.C67.o1.np	Method	AAT/NAP
Start	1	End	661
GI	6815072	Score	161
Exons	1..288, 382..661		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	32776	Seq. ID	OJ990608_02.0103.C67
Gene No.	67973	Strand	-
Start	1	End	661
Name	OJ990608_02.0103.C67.o1.gs	Method	GENSCAN
Start	104	End	511
GI	none	Score	.67
Exons	104..276, 376..511		

Seq. No.	32776	Seq. ID	OJ990608_02.0103.C67
Gene No.	67973	Strand	-
Start	1	End	661
Name	OJ990608_02.0103.C67.o1.tm	Method	TBLASTX:Maize
Start	359	End	661
GI	none	Score	176
Exons	359..661, 367..648, 375..656		

Seq. No.	32777	Seq. ID	OJ990608_02.0103.C69
Gene No.	67974	Strand	-
Start	112	End	480
Name	OJ990608_02.0103.C69.o1.gs	Method	GENSCAN
Start	112	End	480
GI	none	Score	.88
Exons	112..363, 449..480		

Seq. No.	32778	Seq. ID	OJ990218_02.0121.C1
Gene No.	67975	Strand	+
Start	1	End	340
Name	OJ990218_02.0121.C1.o2.np	Method	AAT/NAP
Start	1	End	340
GI	4680183	Score	89
Exons	1..38, 249..340		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	32778	Seq. ID	OJ990218_02.0121.C1
Gene No.	67976	Strand	-
Start	128	End	218
Name	OJ990218_02.0121.C1.o1.np	Method	AAT/NAP
Start	128	End	218
GI	6721561	Score	99
Exons	128..218		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32778	Seq. ID	OJ990218_02.0121.C1
Gene No.	67977	Strand	-
Start	128	End	218
Name	OJ990218_02.0121.C1.o1.gs	Method	GENSCAN
Start	128	End	218
GI	none	Score	.45
Exons	128..218		

Seq. No.	32779	Seq. ID	OJ990218_02.0121.C5
Gene No.	67978	Strand	-
Start	1	End	994
Name	OJ990218_02.0121.C5.o1.np	Method	AAT/NAP
Start	1	End	994
GI	4220523	Score	429
Exons	1..411, 497..994		
GI Descrip.	(AL035356) putative alliin lyase [Arabidopsis thaliana]		

Seq. No.	32779	Seq. ID	OJ990218_02.0121.C5
Gene No.	67978	Strand	-
Start	1	End	994
Name	OJ990218_02.0121.C5.o1.gs	Method	GENSCAN
Start	16	End	712
GI	none	Score	.78
Exons	16..411, 476..712		

Seq. No.	32779	Seq. ID	OJ990218_02.0121.C5
Gene No.	67978	Strand	-
Start	1	End	994
Name	OJ990218_02.0121.C5.o1.tm	Method	TBLASTX:Maize
Start	97	End	760
GI	none	Score	126
Exons	97..240, 110..244, 262..411, 308..412, 328..420, 477..752, 494..760		

Seq. No.	32779	Seq. ID	OJ990218_02.0121.C5
Gene No.	67978	Strand	-
Start	1	End	994
Name	OJ990218_02.0121.C5.o1.tc	Method	TBLASTX:Cress
Start	548	End	761
GI	none	Score	111
Exons	548..694, 558..689, 698..760, 711..761		

Seq. No.	32779	Seq. ID	OJ990218_02.0121.C5
Gene No.	67978	Strand	-

Start	1	End	994
Name	OJ990218_02.0121.C5.o1.ts	Method	TBLASTX:Soybean
Start	554	End	757
GI	none	Score	89
Exons	554..694, 573..689, 699..746,	704..757	

Seq. No.	32780	Seq. ID	OJ990218_02.0121.C6
Gene No.	67979	Strand	-
Start	160	End	324
Name	OJ990218_02.0121.C6.o1.gs	Method	GENSCAN
Start	160	End	324
GI	none	Score	.58
Exons	160..324		

Seq. No.	32780	Seq. ID	OJ990218_02.0121.C6
Gene No.	67980	Strand	-
Start	516	End	624
Name	OJ990218_02.0121.C6.o1.gp	Method	AAT/GAP
Start	516	End	624
GI	uC-osflcyp088b12b1	Score	150
Exons	516..624		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026E07'		

Seq. No.	32781	Seq. ID	OJ990218_02.0121.C7
Gene No.	67981	Strand	-
Start	189	End	274
Name	OJ990218_02.0121.C7.o1.gs	Method	GENSCAN
Start	189	End	274
GI	none	Score	.51
Exons	189..274		

Seq. No.	32782	Seq. ID	OJ990218_02.0121.C8
Gene No.	67982	Strand	-
Start	486	End	896
Name	OJ990218_02.0121.C8.o1.gs	Method	GENSCAN
Start	486	End	896
GI	none	Score	.96
Exons	486..896		

Seq. No.	32783	Seq. ID	OJ990218_02.0121.C9
Gene No.	67983	Strand	-
Start	382	End	451
Name	OJ990218_02.0121.C9.o1.gs	Method	GENSCAN
Start	382	End	451
GI	none	Score	.53
Exons	382..451		

Seq. No.	32784	Seq. ID	OJ990218_02.0121.C10
Gene No.	67984	Strand	+
Start	56	End	636
Name	OJ990218_02.0121.C10.o1.gs	Method	GENSCAN
Start	56	End	636
GI	none	Score	.84
Exons	56..325, 400..636		

Seq. No.	32785	Seq. ID	OJ990218_02.0121.C12

Gene No.	67985	Strand	-
Start	1	End	1242
Name	OJ990218_02.0121.C12.o1.np	Method	AAT/NAP
Start	1	End	1242
GI	4220523	Score	366
Exons	1..81, 985..1242		
GI Descrip.	(AL035356) putative alliin lyase [Arabidopsis thaliana]		

Seq. No.	32785	Seq. ID	OJ990218_02.0121.C12
Gene No.	67985	Strand	-
Start	1	End	1242
Name	OJ990218_02.0121.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	1240
GI	none	Score	64
Exons	1..81, 2..82, 985..1239, 986..1240		

Seq. No.	32785	Seq. ID	OJ990218_02.0121.C12
Gene No.	67985	Strand	-
Start	1	End	1242
Name	OJ990218_02.0121.C12.o1.tc	Method	TBLASTX:Cress
Start	4	End	1237
GI	none	Score	71
Exons	4..81, 17..79, 985..1236, 995..1237		

Seq. No.	32785	Seq. ID	OJ990218_02.0121.C12
Gene No.	67985	Strand	-
Start	1	End	1242
Name	OJ990218_02.0121.C12.o1.gs	Method	GENSCAN
Start	304	End	1209
GI	none	Score	.46
Exons	304..385, 828..927, 985..1209		

Seq. No.	32786	Seq. ID	OJ990218_02.0121.C13
Gene No.	67986	Strand	+
Start	3131	End	3470
Name	OJ990218_02.0121.C13.o1.gp	Method	AAT/GAP
Start	3131	End	3470
GI	uC-osflcyp117e01a1	Score	672
Exons	3131..3470		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	32786	Seq. ID	OJ990218_02.0121.C13
Gene No.	67987	Strand	-
Start	3016	End	5808
Name	OJ990218_02.0121.C13.o2.gs	Method	GENSCAN
Start	3016	End	5712
GI	none	Score	.88
Exons	3016..3082, 4419..4542, 5164..5422, 5620..5712		

Seq. No.	32786	Seq. ID	OJ990218_02.0121.C13
Gene No.	67987	Strand	-
Start	3016	End	5808
Name	OJ990218_02.0121.C13.o2.tm	Method	TBLASTX:Maize
Start	3410	End	5808
GI	none	Score	60

Exons	3410..3505, 3432..3506, 5296..5418, 5309..5422, 5316..5423, 5614..5808, 5615..5806		
Seq. No.	32786	Seq. ID	OJ990218_02.0121.C13
Gene No.	67987	Strand	-
Start	3016	End	5808
Name	OJ990218_02.0121.C13.o1.np	Method	AAT/NAP
Start	3416	End	5808
GI	2623295	Score	571
Exons	3416..3503, 4419..4542, 5164..5422, 5620..5808		
GI Descrip.	(AC002409) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	32786	Seq. ID	OJ990218_02.0121.C13
Gene No.	67987	Strand	-
Start	3016	End	5808
Name	OJ990218_02.0121.C13.o1.ts	Method	TBLASTX:Soybean
Start	3431	End	5694
GI	none	Score	120
Exons	3431..3505, 4415..4543, 4419..4547, 5150..5422, 5163..5231, 5310..5423, 5614..5694, 5615..5692		
Seq. No.	32786	Seq. ID	OJ990218_02.0121.C13
Gene No.	67987	Strand	-
Start	3016	End	5808
Name	OJ990218_02.0121.C13.o1.tm	Method	TBLASTX:Maize
Start	4413	End	5231
GI	none	Score	157
Exons	4413..4547, 4415..4543, 4480..4545, 5163..5231		
Seq. No.	32787	Seq. ID	OJ990218_02.0121.C14
Gene No.	67988	Strand	+
Start	321	End	689
Name	OJ990218_02.0121.C14.o1.gs	Method	GENSCAN
Start	321	End	689
GI	none	Score	.85
Exons	321..458, 541..689		
Seq. No.	32788	Seq. ID	OJ990218_02.0121.C15
Gene No.	67989	Strand	-
Start	406	End	2230
Name	OJ990218_02.0121.C15.o1.gp	Method	AAT/GAP
Start	406	End	1304
GI	301_1.R1084	Score	1156
Exons	406..660, 837..918, 1023..1304		
GI Descrip.	'2500353/sp|Q40649|R103_ORYSA 2.0e-42 60S RIBOSOMAL PROTEIN L10-3 (QM/R22) >gi_1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]'		
Seq. No.	32788	Seq. ID	OJ990218_02.0121.C15
Gene No.	67989	Strand	-
Start	406	End	2230
Name	OJ990218_02.0121.C15.o1.np	Method	AAT/NAP
Start	598	End	1534
GI	2500353	Score	1079
Exons	598..660, 837..918, 1023..1534		

GI Descrip. 60S RIBOSOMAL PROTEIN L10-3 (QM/R22) gi|1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]

Seq. No.	32788	Seq. ID	OJ990218_02.0121.C15
Gene No.	67989	Strand	-
Start	406	End	2230
Name	OJ990218_02.0121.C15.o1.gs	Method	GENSCAN
Start	837	End	2230
GI	none	Score	.99
Exons	837..918, 1023..1524, 2221..2230		

Seq. No.	32788	Seq. ID	OJ990218_02.0121.C15
Gene No.	67989	Strand	-
Start	406	End	2230
Name	OJ990218_02.0121.C15.o2.gp	Method	AAT/GAP
Start	1141	End	1524
GI	4878923	Score	635
Exons	1141..1524		

GI Descrip. 2500353/sp|Q40649|R103_ORYSA 3.0e-33 60S RIBOSOMAL PROTEIN L10-3 (QM/R22) >gi_1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]

Seq. No.	32788	Seq. ID	OJ990218_02.0121.C15
Gene No.	67990	Strand	-
Start	2221	End	2277
Name	OJ990218_02.0121.C15.o1.tw	Method	TBLASTX:Wheat
Start	599	End	1420
GI	none	Score	84
Exons	599..661, 616..663, 834..917, 835..918, 845..922, 1021..1320, 1022..1420, 1023..1418		

Seq. No.	32788	Seq. ID	OJ990218_02.0121.C15
Gene No.	67990	Strand	-
Start	2221	End	2277
Name	OJ990218_02.0121.C15.o1.tm	Method	TBLASTX:Maize
Start	602	End	1533
GI	none	Score	72
Exons	602..661, 616..663, 834..917, 835..918, 837..920, 844..918, 845..922, 1022..1522, 1023..1523, 1134..1526, 1369..1533		

Seq. No.	32788	Seq. ID	OJ990218_02.0121.C15
Gene No.	67990	Strand	-
Start	2221	End	2277
Name	OJ990218_02.0121.C15.o1.ts	Method	TBLASTX:Soybean
Start	834	End	1526
GI	none	Score	77
Exons	834..917, 835..918, 1009..1407, 1022..1522, 1023..1523, 1134..1526		

Seq. No.	32788	Seq. ID	OJ990218_02.0121.C15
Gene No.	67990	Strand	-
Start	2221	End	2277
Name	OJ990218_02.0121.C15.o1.tc	Method	TBLASTX:Cress

Start	837	End	1526
GI	none	Score	65
Exons	837..917, 838..918, 1022..1522, 1023..1523, 1134..1526		

Seq. No.	32788	Seq. ID	OJ990218_02.0121.C15
Gene No.	67990	Strand	-
Start	2221	End	2277
Name	OJ990218_02.0121.C15.o3.gp	Method	AAT/GAP
Start	2221	End	2277
GI	700383	Score	87
Exons	2221..2277		
GI Descrip.	2500353/sp|Q40649|R103_ORYSA 2.0e-42 60S RIBOSOMAL PROTEIN L10-3 (QM/R22) >gi_1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]		

Seq. No.	32789	Seq. ID	OJ990218_02.0121.C16
Gene No.	67991	Strand	+
Start	1	End	630
Name	OJ990218_02.0121.C16.o1.np	Method	AAT/NAP
Start	1	End	630
GI	1085953	Score	181
Exons	1..30, 352..425, 536..630		
GI Descrip.	hypothetical protein S2 - Phalaris coerulescens		

Seq. No.	32789	Seq. ID	OJ990218_02.0121.C16
Gene No.	67991	Strand	+
Start	1	End	630
Name	OJ990218_02.0121.C16.o1.gp	Method	AAT/GAP
Start	357	End	630
GI	54795_1.R1084	Score	297
Exons	357..425, 533..630		
GI Descrip.	'1085952/pir||S49352 3.0e-30 hypothetical protein S1 - Phalaris coerulescens'		

Seq. No.	32790	Seq. ID	OJ990218_02.0121.C17
Gene No.	67992	Strand	+
Start	594	End	1785
Name	OJ990218_02.0121.C17.o1.tm	Method	TBLASTX:Maize
Start	593	End	1466
GI	none	Score	218
Exons	593..718, 594..716, 596..718, 1288..1452, 1292..1453, 1296..1466, 1318..1464		

Seq. No.	32790	Seq. ID	OJ990218_02.0121.C17
Gene No.	67992	Strand	+
Start	594	End	1785
Name	OJ990218_02.0121.C17.o1.gp	Method	AAT/GAP
Start	594	End	723
GI	54795_1.R1084	Score	192
Exons	594..723		
GI Descrip.	'1085952/pir||S49352 3.0e-30 hypothetical protein S1 - Phalaris coerulescens'		

Seq. No.	32790	Seq. ID	OJ990218_02.0121.C17
Gene No.	67992	Strand	+

Start	594	End	1785
Name	OJ990218_02.0121.C17.o1.np	Method	AAT/NAP
Start	594	End	1453
GI	1085953	Score	362
Exons	594..716, 1319..1453		
GI Descrip.	hypothetical protein S2 - Phalaris coerulescens		

Seq. No.	32790	Seq. ID	OJ990218_02.0121.C17
Gene No.	67992	Strand	+
Start	594	End	1785
Name	OJ990218_02.0121.C17.o1.gs	Method	GENSCAN
Start	594	End	1456
GI	none	Score	.99
Exons	594..716, 1319..1456		

Seq. No.	32790	Seq. ID	OJ990218_02.0121.C17
Gene No.	67992	Strand	+
Start	594	End	1785
Name	OJ990218_02.0121.C17.o2.gp	Method	AAT/GAP
Start	1136	End	1785
GI	20568_1.R1084	Score	848
Exons	1136..1195, 1319..1785		
GI Descrip.	'5732701/gb|AAD49231.1|AF159386_1 3.0e-18 (AF159386) thioredoxin-like protein [Secale cereale]'		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67993	Strand	+
Start	1921	End	4217
Name	OJ990218_02.0121.C18.o1.np	Method	AAT/NAP
Start	1921	End	3991
GI	1946369	Score	362
Exons	1921..2045, 2223..3098, 3389..3616, 3672..3761, 3804..3991		
GI Descrip.	(U93215) unknown protein [Arabidopsis thaliana]		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67993	Strand	+
Start	1921	End	4217
Name	OJ990218_02.0121.C18.o1.gs	Method	GENSCAN
Start	2225	End	3994
GI	none	Score	.88
Exons	2225..3994		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67993	Strand	+
Start	1921	End	4217
Name	OJ990218_02.0121.C18.o1.gp	Method	AAT/GAP
Start	3893	End	4217
GI	3769203	Score	603
Exons	3893..4217		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67994	Strand	+
Start	11753	End	11836
Name	OJ990218_02.0121.C18.o4.np	Method	AAT/NAP
Start	11753	End	11836
GI	5852084	Score	73
Exons	11753..11836		

GI Descrip. (AL117264) zwh0007.1 [Oryza sativa]

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67995	Strand	+
Start	12315	End	15368
Name	OJ990218_02.0121.C18.o2.gp	Method	AAT/GAP
Start	12315	End	14227
GI	18211_1.R1084	Score	1291
Exons	12315..12415, 12497..12719, 13412..13596, 13941..14008, 14082..14227		
GI Descrip.	'1946372 2.0e-18 (U93215) yeast hypothetical protein YDB1_SCHPO isolog [Arabidopsis thaliana]'		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67995	Strand	+
Start	12315	End	15368
Name	OJ990218_02.0121.C18.o5.np	Method	AAT/NAP
Start	12599	End	15306
GI	1946372	Score	608
Exons	12599..12719, 13412..13537, 14853..15080, 15186..15306		
GI Descrip.	(U93215) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67995	Strand	+
Start	12315	End	15368
Name	OJ990218_02.0121.C18.o3.gp	Method	AAT/GAP
Start	14831	End	15368
GI	LIB3433-054-P1-K1-F8	Score	758
Exons	14831..15082, 15194..15368		
GI Descrip.	'1946372 3.0e-35 (U93215) yeast hypothetical protein YDB1_SCHPO isolog [Arabidopsis thaliana]'		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67996	Strand	-
Start	3203	End	5564
Name	OJ990218_02.0121.C18.o2.tm	Method	TBLASTX:Maize
Start	2586	End	3727
GI	none	Score	40
Exons	2586..2642, 2589..2642, 2621..2857, 2621..2836, 2804..3589, 2835..3557, 2920..3570, 3248..3589, 3596..3727		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67996	Strand	-
Start	3203	End	5564
Name	OJ990218_02.0121.C18.o3.np	Method	AAT/NAP
Start	3203	End	5564
GI	5922634	Score	94
Exons	3203..3247, 5441..5564		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67996	Strand	-
Start	3203	End	5564
Name	OJ990218_02.0121.C18.o2.tw	Method	TBLASTX:Wheat

Start	3487	End	3867
GI	none	Score	60
Exons	3487..3651, 3492..3641, 3493..3651, 3509..3859, 3699..3818, 3706..3867		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67996	Strand	-
Start	3203	End	5564
Name	OJ990218_02.0121.C18.o2.ts	Method	TBLASTX:Soybean
Start	3677	End	3994
GI	none	Score	240
Exons	3677..3994, 3871..3912		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67996	Strand	-
Start	3203	End	5564
Name	OJ990218_02.0121.C18.o3.tm	Method	TBLASTX:Maize
Start	3728	End	3994
GI	none	Score	335
Exons	3728..3994, 3754..3912		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67997	Strand	
Start	12593	End	15523
Name	OJ990218_02.0121.C18.o1.tm	Method	TBLASTX:Maize
Start	12593	End	15523
GI	none	Score	142
Exons	12593..12739, 12595..12744, 12616..12774, 13410..13595, 13411..13524, 13411..13608, 13413..13595, 13938..14006, 13940..14008, 13941..14006, 14079..14207, 14083..14217, 14085..14213, 14574..14735, 14597..14749, 14803..15084, 14814..15083, 14815..15093, 14816..15094, 15186..15320, 15191..15331, 15191..15334, 15310..15426, 15312..15425, 15319..15432, 15320..15436, 15320..15439, 15473..15523, 15474..15503		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67997	Strand	
Start	12593	End	15523
Name	OJ990218_02.0121.C18.o2.tc	Method	TBLASTX:Cress
Start	12607	End	13520
GI	none	Score	101
Exons	12607..12747, 12608..12739, 13410..13520, 13411..13518, 13416..13520		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67997	Strand	
Start	12593	End	15523
Name	OJ990218_02.0121.C18.o3.ts	Method	TBLASTX:Soybean
Start	13381	End	13592
GI	none	Score	167
Exons	13381..13524, 13407..13586, 13410..13592		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67997	Strand	
Start	12593	End	15523
Name	OJ990218_02.0121.C18.o1.tw	Method	TBLASTX:Wheat

Start	14536	End	15046
GI	none	Score	139
Exons	14536..14730, 14556..14735, 14597..14716, 14625..14732, 14644..14733, 14806..15006, 14814..15038, 14815..15045, 14816..15046		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67997	Strand	
Start	12593	End	15523
Name	OJ990218_02.0121.C18.o1.ts	Method	TBLASTX:Soybean
Start	14574	End	15079
GI	none	Score	223
Exons	14574..14738, 14574..14720, 14600..14737, 14818..15066, 14819..15079, 14925..15071		

Seq. No.	32791	Seq. ID	OJ990218_02.0121.C18
Gene No.	67997	Strand	
Start	12593	End	15523
Name	OJ990218_02.0121.C18.o1.tc	Method	TBLASTX:Cress
Start	14893	End	15064
GI	none	Score	230
Exons	14893..15036, 14894..15064		

Seq. No.	32792	Seq. ID	OJ990218_02.0121.C19
Gene No.	67998	Strand	+
Start	1926	End	2691
Name	OJ990218_02.0121.C19.o1.np	Method	AAT/NAP
Start	1926	End	2691
GI	6907106	Score	303
Exons	1926..2201, 2229..2416, 2490..2691		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32792	Seq. ID	OJ990218_02.0121.C19
Gene No.	67999	Strand	-
Start	1583	End	2178
Name	OJ990218_02.0121.C19.o1.gs	Method	GENSCAN
Start	1583	End	2178
GI	none	Score	.43
Exons	1583..1777, 1942..2178		

Seq. No.	32792	Seq. ID	OJ990218_02.0121.C19
Gene No.	68000	Strand	
Start	2226	End	2577
Name	OJ990218_02.0121.C19.o1.tm	Method	TBLASTX:Maize
Start	2226	End	2577
GI	none	Score	74
Exons	2226..2285, 2227..2286, 2287..2442, 2290..2442, 2312..2443, 2411..2506, 2433..2492, 2447..2518, 2448..2519, 2448..2576, 2528..2572, 2533..2577		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68001	Strand	+
Start	1	End	341
Name	OJ990218_02.0121.C20.o1.gp	Method	AAT/GAP
Start	1	End	341
GI	91923_1.R1084	Score	318

Exons	1..105, 126..341		
GI Descrip.	'4006878/emb|CAB16796.1| 7.0e-11 (Z99707) MAP3K-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68002	Strand	+
Start	2886	End	5507
Name	OJ990218_02.0121.C20.o1.np	Method	AAT/NAP
Start	2886	End	5179
GI	5257264	Score	2687
Exons	2886..2957, 3283..5179		
GI Descrip.	(AP000364) ESTs AU064813(E40579),D24600(R2232) correspond to a region of the predicted gene.; Similar to Human mRNA for KIAA0255 gene. (D87444) [Oryza sativa]		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68002	Strand	+
Start	2886	End	5507
Name	OJ990218_02.0121.C20.o2.gp	Method	AAT/GAP
Start	3878	End	4286
GI	428450	Score	805
Exons	3878..4286		
GI Descrip.	5257264/dbj|BAA81763.1| 2.0e-56 (AP000364) ESTs AU064813(E40579),D24600(R2232) correspond to a region of the predicted gene.; Similar to Human mRNA for KIAA0255 gene. (D87444) [Oryza sativa]		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68002	Strand	+
Start	2886	End	5507
Name	OJ990218_02.0121.C20.o4.gp	Method	AAT/GAP
Start	4899	End	5507
GI	86580_1.R1084	Score	1171
Exons	4899..5507		
GI Descrip.	'5823576/emb|CAB53758.1| 3.0e-43 (AL049730) putative protein [Arabidopsis thaliana]'		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68003	Strand	-
Start	826	End	1093
Name	OJ990218_02.0121.C20.o1.gs	Method	GENSCAN
Start	826	End	1093
GI	none	Score	.65
Exons	826..940, 1051..1093		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68004	Strand	-
Start	4390	End	5185
Name	OJ990218_02.0121.C20.o1.tm	Method	TBLASTX:Maize
Start	3238	End	5185
GI	none	Score	712
Exons	3238..3828, 3252..3800, 3802..4740, 3819..4727, 4415..4738, 4743..4958, 4744..4962, 4991..5185, 4999..5178, 5063..5179		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68004	Strand	-
Start	4390	End	5185

Name	OJ990218_02.0121.C20.o4.ts	Method	TBLASTX:Soybean
Start	3253	End	3438
GI	none	Score	189
Exons	3253..3438, 3288..3422		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68004	Strand	-
Start	4390	End	5185
Name	OJ990218_02.0121.C20.o3.tc	Method	TBLASTX:Cress
Start	3286	End	3636
GI	none	Score	141
Exons	3286..3423, 3424..3636		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68004	Strand	-
Start	4390	End	5185
Name	OJ990218_02.0121.C20.o3.ts	Method	TBLASTX:Soybean
Start	3439	End	3660
GI	none	Score	259
Exons	3439..3660, 3441..3656, 3589..3660		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68004	Strand	-
Start	4390	End	5185
Name	OJ990218_02.0121.C20.o1.tw	Method	TBLASTX:Wheat
Start	3648	End	4050
GI	none	Score	472
Exons	3648..4049, 3648..4049, 3649..4050		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68004	Strand	-
Start	4390	End	5185
Name	OJ990218_02.0121.C20.o2.ts	Method	TBLASTX:Soybean
Start	3801	End	4293
GI	none	Score	50
Exons	3801..3932, 3804..3917, 3817..3927, 3962..4060, 3964..4293, 3964..4167, 3990..4292		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68004	Strand	-
Start	4390	End	5185
Name	OJ990218_02.0121.C20.o2.tc	Method	TBLASTX:Cress
Start	3955	End	4206
GI	none	Score	250
Exons	3955..4164, 3958..4206, 3972..4205		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68004	Strand	-
Start	4390	End	5185
Name	OJ990218_02.0121.C20.o1.tc	Method	TBLASTX:Cress
Start	4215	End	5140
GI	none	Score	179
Exons	4215..4535, 4218..4535, 4219..4539, 4511..4855, 4515..4931, 4522..4947, 4524..4943, 4543..4944, 4892..5017, 4916..4984, 5096..5140		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20

Gene No.	68004	Strand	-
Start	4390	End	5185
Name	OJ990218_02.0121.C20.o2.tw	Method	TBLASTX:Wheat
Start	4251	End	4595
GI	none	Score	571
Exons	4251..4595, 4252..4593		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68004	Strand	-
Start	4390	End	5185
Name	OJ990218_02.0121.C20.o1.ts	Method	TBLASTX:Soybean
Start	4303	End	5182
GI	none	Score	939
Exons	4303..4962, 4303..4944, 4308..4958, 4991..5092, 4999..5091, 5093..5182, 5099..5164		

Seq. No.	32793	Seq. ID	OJ990218_02.0121.C20
Gene No.	68004	Strand	-
Start	4390	End	5185
Name	OJ990218_02.0121.C20.o3.gp	Method	AAT/GAP
Start	4390	End	4688
GI	6025013	Score	502
Exons	4390..4688		
GI Descrip.	5257264/dbj|BAA81763.1| 4.0e-40 (AP000364) ESTs AU064813(E40579),D24600(R2232) correspond to a region of the predicted gene.; Similar to Human mRNA for KIAA0255 gene. (D87444) [Oryza sativa]		

Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68005	Strand	+
Start	5908	End	12283
Name	OJ990218_02.0121.C21.o2.gp	Method	AAT/GAP
Start	5708	End	9645
GI	11260_1.R1084	Score	2296
Exons	5708..5797, 5890..5982, 6650..6718, 6823..6927, 7675..7729, 8096..8169, 8419..8502, 8589..8729, 8851..8916, 9002..9111, 9265..9645		
GI Descrip.	'6016697/gb|AAF01524.1|AC009991_20 1.0e-74 (AC009991) unknown protein [Arabidopsis thaliana]'		

Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68005	Strand	+
Start	5908	End	12283
Name	OJ990218_02.0121.C21.o2.gs	Method	GENSCAN
Start	5908	End	12283
GI	none	Score	.63
Exons	5908..5982, 6650..6718, 6823..6927, 7675..7729, 8096..8169, 8419..8502, 8589..8729, 9002..9111, 9265..9390, 10182..10301, 10716..10845, 11953..12033, 12154..12283		

Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68005	Strand	+
Start	5908	End	12283
Name	OJ990218_02.0121.C21.o2.np	Method	AAT/NAP
Start	8134	End	9430
GI	6016697	Score	613
Exons	8134..8169, 8419..8502, 8589..8729, 8851..8916, 9002..9111,		

	9265..9430		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		
Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68006	Strand	-
Start	975	End	3798
Name	OJ990218_02.0121.C21.o1.gp	Method	AAT/GAP
Start	676	End	1040
GI	2799230	Score	612
Exons	676..1040		
GI Descrip.	1698774/gb|U70311|CVU70311 3.0e-09 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence		
Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68006	Strand	-
Start	975	End	3798
Name	OJ990218_02.0121.C21.o2.tm	Method	TBLASTX:Maize
Start	915	End	3798
GI	none	Score	77
Exons	915..1046, 925..1041, 1349..1423, 1351..1425, 1605..1664, 1607..1663, 1609..1665, 1612..1665, 1765..1842, 1772..1852, 1773..1853, 2565..2660, 2587..2658, 2605..2661, 2606..2662, 2734..2847, 2746..2838, 3276..3335, 3277..3333, 3436..3501, 3436..3501, 3605..3652, 3610..3660, 3763..3798		
Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68006	Strand	-
Start	975	End	3798
Name	OJ990218_02.0121.C21.o1.gs	Method	GENSCAN
Start	975	End	3753
GI	none	Score	.82
Exons	975..1038, 1358..1421, 1609..1664, 1773..1854, 2601..2661, 2746..2839, 3277..3332, 3439..3501, 3610..3753		
Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68006	Strand	-
Start	975	End	3798
Name	OJ990218_02.0121.C21.o1.np	Method	AAT/NAP
Start	978	End	3636
GI	4902482	Score	457
Exons	978..1038, 1358..1421, 1609..1664, 1773..1854, 2601..2661, 2746..2839, 3277..3332, 3439..3501, 3610..3636		
GI Descrip.	(AJ238805) hypothetical protein [Arabidopsis thaliana] gi|6572082|emb|CAB63025.1| (AL133452) putative protein [Arabidopsis thaliana]		
Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68006	Strand	-
Start	975	End	3798
Name	OJ990218_02.0121.C21.o1.tw	Method	TBLASTX:Wheat
Start	1349	End	2842
GI	none	Score	95
Exons	1349..1423, 1351..1425, 1607..1663, 1608..1664, 1610..1666, 1765..1848, 1766..1852, 1772..1852, 1773..1886, 2598..2660, 2606..2659, 2608..2661, 2746..2838, 2747..2842		

Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68006	Strand	-
Start	975	End	3798
Name	OJ990218_02.0121.C21.o3.ts	Method	TBLASTX:Soybean
Start	2608	End	3660
GI	none	Score	60
Exons	2608..2661, 2609..2659, 2746..2871, 2746..2838, 3276..3335, 3277..3333, 3436..3501, 3613..3660		

Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68007	Strand	
Start	5683	End	9575
Name	OJ990218_02.0121.C21.o1.tm	Method	TBLASTX:Maize
Start	5683	End	9575
GI	none	Score	44
Exons	5683..5721, 5774..5797, 5889..5987, 5890..5982, 6638..6718, 6640..6720, 6649..6720, 6823..6927, 6849..6926, 7674..7733, 7675..7731, 8093..8170, 8094..8171, 8095..8172, 8386..8529, 8407..8505, 8547..8708, 8556..8714, 8588..8728, 8594..8719, 8845..8916, 8850..8915, 8998..9117, 8999..9115, 9000..9116, 9264..9434, 9265..9438, 9266..9439, 9531..9575		

Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68007	Strand	
Start	5683	End	9575
Name	OJ990218_02.0121.C21.o2.ts	Method	TBLASTX:Soybean
Start	6628	End	6933
GI	none	Score	118
Exons	6628..6720, 6638..6718, 6640..6720, 6812..6919, 6822..6920, 6823..6927, 6823..6933		

Seq. No.	32794	Seq. ID	OJ990218_02.0121.C21
Gene No.	68007	Strand	
Start	5683	End	9575
Name	OJ990218_02.0121.C21.o1.ts	Method	TBLASTX:Soybean
Start	8690	End	9441
GI	none	Score	103
Exons	8690..8725, 8845..8916, 8849..8908, 8850..8909, 8999..9115, 8999..9115, 9001..9117, 9264..9287, 9265..9327, 9266..9352, 9329..9433, 9330..9434, 9331..9438, 9331..9441, 9363..9440		

Seq. No.	32795	Seq. ID	OJ990218_02.0121.C22
Gene No.	68008	Strand	+
Start	3	End	999
Name	OJ990218_02.0121.C22.o1.gs	Method	GENSCAN
Start	3	End	999
GI	none	Score	.67
Exons	3..355, 975..999		

Seq. No.	32796	Seq. ID	OJ990218_02.0121.C23
Gene No.	68009	Strand	-
Start	1273	End	1713
Name	OJ990218_02.0121.C23.o1.gs	Method	GENSCAN
Start	1273	End	1713
GI	none	Score	.51
Exons	1273..1445, 1633..1666, 1693..1713		

Seq. No.	32797	Seq. ID	OJ990218_02.0121.C26
Gene No.	68010	Strand	-
Start	1931	End	2021
Name	OJ990218_02.0121.C26.o1.gs	Method	GENSCAN
Start	1931	End	2021
GI	none	Score	.88
Exons	1931..2021		

Seq. No.	32798	Seq. ID	OJ990218_02.0121.C27
Gene No.	68011	Strand	+
Start	286	End	3624
Name	OJ990218_02.0121.C27.o1.gs	Method	GENSCAN
Start	286	End	3624
GI	none	Score	.54
Exons	286..312, 442..464, 624..771, 1319..1374, 1828..2045, 3149..3624		

Seq. No.	32798	Seq. ID	OJ990218_02.0121.C27
Gene No.	68011	Strand	+
Start	286	End	3624
Name	OJ990218_02.0121.C27.o1.np	Method	AAT/NAP
Start	1745	End	2076
GI	6539588	Score	209
Exons	1745..2076		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	32799	Seq. ID	OJ990218_02.0121.C28
Gene No.	68012	Strand	+
Start	1000	End	1082
Name	OJ990218_02.0121.C28.o1.gp	Method	AAT/GAP
Start	1000	End	1082
GI	5455354	Score	113
Exons	1000..1082		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	32800	Seq. ID	OJ990218_02.0121.C29
Gene No.	68013	Strand	+
Start	4687	End	4797
Name	OJ990218_02.0121.C29.o1.gp	Method	AAT/GAP
Start	4687	End	4797
GI	uC-osflcyp088b12b1	Score	154
Exons	4687..4797		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32800	Seq. ID	OJ990218_02.0121.C29
Gene No.	68014	Strand	-
Start	1	End	7332
Name	OJ990218_02.0121.C29.o1.np	Method	AAT/NAP
Start	1	End	1299
GI	6539558	Score	906
Exons	1..243, 552..1299		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	32800	Seq. ID	OJ990218_02.0121.C29
Gene No.	68014	Strand	-

Start	1	End	7332
Name	OJ990218_02.0121.C29.o1.gs	Method	GENSCAN
Start	532	End	5151
GI	none	Score	.41
Exons	532..679, 811..1033, 1038..1307, 2508..2629, 2778..3242, 4070..4188, 5024..5151		

Seq. No.	32800	Seq. ID	OJ990218_02.0121.C29
Gene No.	68014	Strand	-
Start	1	End	7332
Name	OJ990218_02.0121.C29.o1.ts	Method	TBLASTX:Soybean
Start	778	End	1269
GI	none	Score	40
Exons	778..918, 789..935, 976..1269, 977..1264		

Seq. No.	32800	Seq. ID	OJ990218_02.0121.C29
Gene No.	68014	Strand	-
Start	1	End	7332
Name	OJ990218_02.0121.C29.o1.tc	Method	TBLASTX:Cress
Start	813	End	1254
GI	none	Score	158
Exons	813..935, 970..1254		

Seq. No.	32800	Seq. ID	OJ990218_02.0121.C29
Gene No.	68014	Strand	-
Start	1	End	7332
Name	OJ990218_02.0121.C29.o1.tm	Method	TBLASTX:Maize
Start	872	End	1298
GI	none	Score	128
Exons	872..922, 873..983, 873..968, 970..1296, 971..1297, 1164..1298		

Seq. No.	32800	Seq. ID	OJ990218_02.0121.C29
Gene No.	68014	Strand	-
Start	1	End	7332
Name	OJ990218_02.0121.C29.o2.np	Method	AAT/NAP
Start	3967	End	7332
GI	4680183	Score	138
Exons	3967..4110, 7311..7332		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	32801	Seq. ID	OJ990218_02.0121.C30
Gene No.	68015	Strand	-
Start	330	End	399
Name	OJ990218_02.0121.C30.o1.gs	Method	GENSCAN
Start	330	End	399
GI	none	Score	.73
Exons	330..399		

Seq. No.	32802	Seq. ID	OJ990218_02.0121.C33
Gene No.	68016	Strand	+
Start	67	End	152
Name	OJ990218_02.0121.C33.o1.np	Method	AAT/NAP
Start	67	End	152
GI	6721561	Score	97
Exons	67..152		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	32802	Seq. ID	OJ990218_02.0121.C33
Gene No.	68017	Strand	+
Start	67	End	697
Name	OJ990218_02.0121.C33.o1.gs	Method	GENSCAN
Start	67	End	697
GI	none	Score	.94
Exons	67..158, 637..697		

Seq. No.	32803	Seq. ID	OJ990218_02.0121.C34
Gene No.	68018	Strand	+
Start	3423	End	5272
Name	OJ990218_02.0121.C34.o1.np	Method	AAT/NAP
Start	3423	End	5272
GI	5295955	Score	440
Exons	3423..3546, 4293..4436, 4468..4732, 4811..4890, 4930..5272		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	32803	Seq. ID	OJ990218_02.0121.C34
Gene No.	68019	Strand	-
Start	43	End	4941
Name	OJ990218_02.0121.C34.o1.gs	Method	GENSCAN
Start	43	End	4941
GI	none	Score	.67
Exons	43..119, 789..849, 1817..2000, 2305..2427, 4650..4735, 4827..4941		

Seq. No.	32803	Seq. ID	OJ990218_02.0121.C34
Gene No.	68019	Strand	-
Start	43	End	4941
Name	OJ990218_02.0121.C34.o1.gp	Method	AAT/GAP
Start	2743	End	2852
GI	uC-osflcyp088b12b1	Score	153
Exons	2743..2852		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32803	Seq. ID	OJ990218_02.0121.C34
Gene No.	68019	Strand	-
Start	43	End	4941
Name	OJ990218_02.0121.C34.o2.gp	Method	AAT/GAP
Start	3976	End	4056
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	3976..4056		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32804	Seq. ID	OJ990218_02.0121.C36
Gene No.	68020	Strand	-
Start	467	End	543
Name	OJ990218_02.0121.C36.o1.gp	Method	AAT/GAP
Start	467	End	543
GI	11260_1.R1084	Score	105

Exons	467..543		
GI Descrip.	'6016697/gb|AAF01524.1|AC009991_20 1.0e-74 (AC009991) unknown protein [Arabidopsis thaliana]'		
Seq. No.	32804	Seq. ID	OJ990218_02.0121.C36
Gene No.	68021	Strand	-
Start	471	End	575
Name	OJ990218_02.0121.C36.o1.gs	Method	GENSCAN
Start	471	End	575
GI	none	Score	.82
Exons	471..575		
Seq. No.	32805	Seq. ID	OJ990218_02.0121.C37
Gene No.	68022	Strand	-
Start	43	End	273
Name	OJ990218_02.0121.C37.o1.gs	Method	GENSCAN
Start	43	End	273
GI	none	Score	.5
Exons	43..163, 165..273		
Seq. No.	32806	Seq. ID	OJ990218_02.0121.C38
Gene No.	68023	Strand	-
Start	1	End	608
Name	OJ990218_02.0121.C38.o1.np	Method	AAT/NAP
Start	1	End	608
GI	1196998	Score	1048
Exons	1..608		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		
Seq. No.	32807	Seq. ID	OJ991108_20.0222.C1
Gene No.	68024	Strand	+
Start	553	End	741
Name	OJ991108_20.0222.C1.o1.gs	Method	GENSCAN
Start	553	End	741
GI	none	Score	.48
Exons	553..741		
Seq. No.	32807	Seq. ID	OJ991108_20.0222.C1
Gene No.	68025	Strand	+
Start	2094	End	6228
Name	OJ991108_20.0222.C1.o2.gs	Method	GENSCAN
Start	2094	End	5879
GI	none	Score	.57
Exons	2094..2223, 3066..3154, 4105..4187, 5032..5477, 5614..5879		
Seq. No.	32807	Seq. ID	OJ991108_20.0222.C1
Gene No.	68025	Strand	+
Start	2094	End	6228
Name	OJ991108_20.0222.C1.o1.np	Method	AAT/NAP
Start	4722	End	6228
GI	6907086	Score	1225

Exons	4722..5485, 5545..5706, 5946..6228		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	32807	Seq. ID	OJ991108_20.0222.C1
Gene No.	68026	Strand	-
Start	134	End	194
Name	OJ991108_20.0222.C1.o1.gp	Method	AAT/GAP
Start	134	End	194
GI	4715947	Score	73
Exons	134..194		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		
Seq. No.	32807	Seq. ID	OJ991108_20.0222.C1
Gene No.	68027	Strand	-
Start	2786	End	3259
Name	OJ991108_20.0222.C1.o2.gp	Method	AAT/GAP
Start	2786	End	3259
GI	38782_1_R1084	Score	749
Exons	2786..3259		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	32808	Seq. ID	OJ991108_20.0222.C2
Gene No.	68028	Strand	+
Start	203	End	7438
Name	OJ991108_20.0222.C2.o1.gs	Method	GENSCAN
Start	203	End	7415
GI	none	Score	.44
Exons	203..348, 406..586, 1251..1429, 1915..2286, 3668..3820, 3890..4148, 4335..5510, 5691..7415		
Seq. No.	32808	Seq. ID	OJ991108_20.0222.C2
Gene No.	68028	Strand	+
Start	203	End	7438
Name	OJ991108_20.0222.C2.o1.np	Method	AAT/NAP
Start	2840	End	7438
GI	6466937	Score	1406
Exons	2840..2925, 4546..7438		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	32808	Seq. ID	OJ991108_20.0222.C2
Gene No.	68028	Strand	+
Start	203	End	7438
Name	OJ991108_20.0222.C2.o2.ts	Method	TBLASTX:Soybean
Start	5997	End	6315
GI	none	Score	231
Exons	5997..6311, 6075..6314, 6181..6315		
Seq. No.	32808	Seq. ID	OJ991108_20.0222.C2
Gene No.	68028	Strand	+
Start	203	End	7438
Name	OJ991108_20.0222.C2.o1.tm	Method	TBLASTX:Maize

Start	6012	End	6497
GI	none	Score	460
Exons	6012..6497, 6102..6284, 6302..6454, 6312..6494		

Seq. No.	32808	Seq. ID	OJ991108_20.0222.C2
Gene No.	68028	Strand	+
Start	203	End	7438
Name	OJ991108_20.0222.C2.o1.tw	Method	TBLASTX:Wheat
Start	6072	End	6443
GI	none	Score	389
Exons	6072..6443, 6113..6268, 6126..6401, 6302..6439		

Seq. No.	32808	Seq. ID	OJ991108_20.0222.C2
Gene No.	68028	Strand	+
Start	203	End	7438
Name	OJ991108_20.0222.C2.o1.ts	Method	TBLASTX:Soybean
Start	6420	End	6767
GI	none	Score	337
Exons	6420..6767, 6542..6766		

Seq. No.	32808	Seq. ID	OJ991108_20.0222.C2
Gene No.	68028	Strand	+
Start	203	End	7438
Name	OJ991108_20.0222.C2.o2.tw	Method	TBLASTX:Wheat
Start	6492	End	6890
GI	none	Score	227
Exons	6492..6767, 6530..6766, 6762..6857, 6774..6890		

Seq. No.	32808	Seq. ID	OJ991108_20.0222.C2
Gene No.	68028	Strand	+
Start	203	End	7438
Name	OJ991108_20.0222.C2.o2.tm	Method	TBLASTX:Maize
Start	6516	End	7058
GI	none	Score	249
Exons	6516..6770, 6527..6769, 6774..7058, 6836..6964		

Seq. No.	32808	Seq. ID	OJ991108_20.0222.C2
Gene No.	68028	Strand	+
Start	203	End	7438
Name	OJ991108_20.0222.C2.o3.ts	Method	TBLASTX:Soybean
Start	6798	End	7043
GI	none	Score	216
Exons	6798..7043, 6800..6943, 6852..6944		

Seq. No.	32808	Seq. ID	OJ991108_20.0222.C2
Gene No.	68028	Strand	+
Start	203	End	7438
Name	OJ991108_20.0222.C2.o3.tw	Method	TBLASTX:Wheat
Start	6900	End	7226
GI	none	Score	204
Exons	6900..7226		

Seq. No.	32808	Seq. ID	OJ991108_20.0222.C2
Gene No.	68028	Strand	+
Start	203	End	7438
Name	OJ991108_20.0222.C2.o3.tm	Method	TBLASTX:Maize
Start	7059	End	7421

GI	none	Score	115
Exons	7059..7214, 7254..7421		

Seq. No.	32809	Seq. ID	OJ991108_20.0222.C3
Gene No.	68029	Strand	+
Start	145	End	4175
Name	OJ991108_20.0222.C3.o1.np	Method	AAT/NAP
Start	145	End	1590
GI	2792238	Score	1603
Exons	145..1590		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	32809	Seq. ID	OJ991108_20.0222.C3
Gene No.	68029	Strand	+
Start	145	End	4175
Name	OJ991108_20.0222.C3.o1.gs	Method	GENSCAN
Start	242	End	4175
GI	none	Score	.45
Exons	242..2510, 2533..2637, 3306..3358, 3937..4175		

Seq. No.	32809	Seq. ID	OJ991108_20.0222.C3
Gene No.	68030	Strand	+
Start	7393	End	8670
Name	OJ991108_20.0222.C3.o1.tc	Method	TBLASTX:Cress
Start	138	End	8547
GI	none	Score	49
Exons	138..179, 223..390, 448..690, 796..906, 1210..1431, 7981..8058, 8302..8547, 8310..8426, 8466..8498		

Seq. No.	32809	Seq. ID	OJ991108_20.0222.C3
Gene No.	68030	Strand	+
Start	7393	End	8670
Name	OJ991108_20.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	166	End	8625
GI	none	Score	66
Exons	166..279, 361..471, 436..474, 505..564, 574..975, 595..732, 759..878, 8296..8334, 8431..8529, 8551..8625		

Seq. No.	32809	Seq. ID	OJ991108_20.0222.C3
Gene No.	68030	Strand	+
Start	7393	End	8670
Name	OJ991108_20.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	322	End	8514
GI	none	Score	59
Exons	322..402, 448..561, 592..708, 721..894, 8302..8430, 8443..8514		

Seq. No.	32809	Seq. ID	OJ991108_20.0222.C3
Gene No.	68030	Strand	+
Start	7393	End	8670
Name	OJ991108_20.0222.C3.o1.tw	Method	TBLASTX:Wheat
Start	592	End	8589
GI	none	Score	92
Exons	592..738, 609..707, 733..876, 762..878, 8446..8523, 8521..8589		

Seq. No.	32809	Seq. ID	OJ991108_20.0222.C3
Gene No.	68030	Strand	+
Start	7393	End	8670

Name	OJ991108_20.0222.C3.o2.tm	Method	TBLASTX:Maize
Start	1015	End	1542
GI	none	Score	238
Exons	1015..1542, 1246..1533		

Seq. No.	32809	Seq. ID	OJ991108_20.0222.C3
Gene No.	68030	Strand	+
Start	7393	End	8670
Name	OJ991108_20.0222.C3.o2.gs	Method	GENSCAN
Start	7393	End	8667
GI	none	Score	.77
Exons	7393..8667		

Seq. No.	32809	Seq. ID	OJ991108_20.0222.C3
Gene No.	68030	Strand	+
Start	7393	End	8670
Name	OJ991108_20.0222.C3.o4.np	Method	AAT/NAP
Start	7816	End	8670
GI	2792222	Score	1278
Exons	7816..8670		
GI Descrip.	(AF032689) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	32810	Seq. ID	OJ991108_20.0222.C4
Gene No.	68031	Strand	+
Start	1	End	1480
Name	OJ991108_20.0222.C4.o1.np	Method	AAT/NAP
Start	1	End	910
GI	2792238	Score	1481
Exons	1..910		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	32810	Seq. ID	OJ991108_20.0222.C4
Gene No.	68031	Strand	+
Start	1	End	1480
Name	OJ991108_20.0222.C4.o2.np	Method	AAT/NAP
Start	1	End	1433
GI	2258315	Score	365
Exons	1..921, 950..1433		
GI Descrip.	(AF004878) resistance complex protein I2C-1 [Lycopersicon esculentum]		

Seq. No.	32810	Seq. ID	OJ991108_20.0222.C4
Gene No.	68031	Strand	+
Start	1	End	1480
Name	OJ991108_20.0222.C4.o1.gs	Method	GENSCAN
Start	50	End	1480
GI	none	Score	.53
Exons	50..1480		

Seq. No.	32810	Seq. ID	OJ991108_20.0222.C4
Gene No.	68032	Strand	-
Start	1874	End	2514
Name	OJ991108_20.0222.C4.o3.tm	Method	TBLASTX:Maize
Start	14	End	295
GI	none	Score	252
Exons	14..295, 79..204, 104..211		

Seq. No.	32810	Seq. ID	OJ991108_20.0222.C4
Gene No.	68032	Strand	-
Start	1874	End	2514
Name	OJ991108_20.0222.C4.o2.tm	Method	TBLASTX:Maize
Start	335	End	1006
GI	none	Score	307
Exons	335..1006, 562..873, 889..978		

Seq. No.	32810	Seq. ID	OJ991108_20.0222.C4
Gene No.	68032	Strand	-
Start	1874	End	2514
Name	OJ991108_20.0222.C4.o3.np	Method	AAT/NAP
Start	1858	End	2514
GI	3810596	Score	377
Exons	1858..2514		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32810	Seq. ID	OJ991108_20.0222.C4
Gene No.	68032	Strand	-
Start	1874	End	2514
Name	OJ991108_20.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	1868	End	2500
GI	none	Score	44
Exons	1868..2023, 2033..2398, 2112..2201, 2250..2336, 2456..2500		

Seq. No.	32810	Seq. ID	OJ991108_20.0222.C4
Gene No.	68032	Strand	-
Start	1874	End	2514
Name	OJ991108_20.0222.C4.o2.gs	Method	GENSCAN
Start	1874	End	2491
GI	none	Score	.99
Exons	1874..2491		

Seq. No.	32810	Seq. ID	OJ991108_20.0222.C4
Gene No.	68032	Strand	-
Start	1874	End	2514
Name	OJ991108_20.0222.C4.o1.tw	Method	TBLASTX:Wheat
Start	1988	End	2392
GI	none	Score	74
Exons	1988..2392, 2121..2201, 2259..2339		

Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68033	Strand	+
Start	1575	End	2027
Name	OJ991108_20.0222.C5.o1.gp	Method	AAT/GAP
Start	1575	End	2027
GI	none	Score	877
Exons	1575..2027		

Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68034	Strand	+
Start	5003	End	10020
Name	OJ991108_20.0222.C5.o2.np	Method	AAT/NAP
Start	5003	End	10020
GI	2258317	Score	634
Exons	5003..5119, 5395..7867, 9965..10020		

GI Descrip.	(AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum]		
Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68034	Strand	+
Start	5003	End	10020
Name	OJ991108_20.0222.C5.o1.np	Method	AAT/NAP
Start	5904	End	7346
GI	2792238	Score	1503
Exons	5904..7346		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68035	Strand	-
Start	8539	End	9126
Name	OJ991108_20.0222.C5.o2.gs	Method	GENSCAN
Start	8539	End	9126
GI	none	Score	.96
Exons	8539..9126		

Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68036	Strand	-
Start	14506	End	14617
Name	OJ991108_20.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	5931	End	6731
GI	none	Score	69
Exons	5931..6137, 6114..6185, 6264..6341, 6330..6731, 6357..6650		

Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68036	Strand	-
Start	14506	End	14617
Name	OJ991108_20.0222.C5.o1.tc	Method	TBLASTX:Cress
Start	5967	End	7187
GI	none	Score	71
Exons	5967..6149, 6207..6449, 6555..6650, 6981..7187		

Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68036	Strand	-
Start	14506	End	14617
Name	OJ991108_20.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	6081	End	6821
GI	none	Score	79
Exons	6081..6161, 6195..6320, 6348..6467, 6483..6692, 6759..6821		

Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68036	Strand	-
Start	14506	End	14617
Name	OJ991108_20.0222.C5.o1.tw	Method	TBLASTX:Wheat
Start	6351	End	6635
GI	none	Score	95
Exons	6351..6491, 6368..6466, 6509..6595, 6510..6635		

Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68036	Strand	-
Start	14506	End	14617
Name	OJ991108_20.0222.C5.o2.ts	Method	TBLASTX:Soybean
Start	6972	End	7301

GI	none	Score	184
Exons	6972..7301		
Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68036	Strand	-
Start	14506	End	14617
Name	OJ991108_20.0222.C5.o3.tm	Method	TBLASTX:Maize
Start	6999	End	7400
GI	none	Score	69
Exons	6999..7094, 7002..7400, 7055..7309		
Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68036	Strand	-
Start	14506	End	14617
Name	OJ991108_20.0222.C5.o2.tm	Method	TBLASTX:Maize
Start	13969	End	14172
GI	none	Score	286
Exons	13969..14124, 13980..14171, 13981..14172		
Seq. No.	32811	Seq. ID	OJ991108_20.0222.C5
Gene No.	68036	Strand	-
Start	14506	End	14617
Name	OJ991108_20.0222.C5.o3.np	Method	AAT/NAP
Start	14506	End	14617
GI	5777617	Score	75
Exons	14506..14617		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	32812	Seq. ID	OJ991108_20.0222.C6
Gene No.	68037	Strand	+
Start	66	End	3389
Name	OJ991108_20.0222.C6.o2.tm	Method	TBLASTX:Maize
Start	24	End	309
GI	none	Score	92
Exons	24..104, 32..94, 114..143, 209..304, 235..309, 236..307		
Seq. No.	32812	Seq. ID	OJ991108_20.0222.C6
Gene No.	68037	Strand	+
Start	66	End	3389
Name	OJ991108_20.0222.C6.o1.gs	Method	GENSCAN
Start	66	End	3357
GI	none	Score	.69
Exons	66..129, 1678..3357		
Seq. No.	32812	Seq. ID	OJ991108_20.0222.C6
Gene No.	68037	Strand	+
Start	66	End	3389
Name	OJ991108_20.0222.C6.o1.tc	Method	TBLASTX:Cress
Start	2307	End	3092
GI	none	Score	66
Exons	2307..2405, 2424..2591, 2649..2891, 2997..3092		
Seq. No.	32812	Seq. ID	OJ991108_20.0222.C6
Gene No.	68037	Strand	+
Start	66	End	3389
Name	OJ991108_20.0222.C6.o1.np	Method	AAT/NAP
Start	2346	End	3389

GI	2792238	Score	1158
Exons	2346..3389		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	32812	Seq. ID	OJ991108_20.0222.C6
Gene No.	68037	Strand	+
Start	66	End	3389
Name	OJ991108_20.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	2355	End	3175
GI	none	Score	65
Exons	2355..2579, 2556..2627, 2642..2683, 2643..2708, 2772..3173, 2798..2842, 2799..3161, 2960..3175		

Seq. No.	32812	Seq. ID	OJ991108_20.0222.C6
Gene No.	68037	Strand	+
Start	66	End	3389
Name	OJ991108_20.0222.C6.o1.ts	Method	TBLASTX:Soybean
Start	2523	End	3263
GI	none	Score	111
Exons	2523..2762, 2790..2909, 2925..3134, 3201..3263		

Seq. No.	32812	Seq. ID	OJ991108_20.0222.C6
Gene No.	68037	Strand	+
Start	66	End	3389
Name	OJ991108_20.0222.C6.o1.tw	Method	TBLASTX:Wheat
Start	2793	End	3077
GI	none	Score	99
Exons	2793..2933, 2951..3037, 2952..3077		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68038	Strand	+
Start	1	End	838
Name	OJ991108_20.0222.C7.o1.np	Method	AAT/NAP
Start	1	End	321
GI	4689223	Score	106
Exons	1..321		
GI Descrip.	(AF118127) disease resistance protein I2 [Lycopersicon esculentum]		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68038	Strand	+
Start	1	End	838
Name	OJ991108_20.0222.C7.o2.np	Method	AAT/NAP
Start	1	End	716
GI	4234955	Score	133
Exons	1..327, 445..508, 638..716		
GI Descrip.	(AF098971) NBS-LRR-like protein cD8 [Phaseolus vulgaris]		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68038	Strand	+
Start	1	End	838
Name	OJ991108_20.0222.C7.o1.gs	Method	GENSCAN
Start	99	End	838
GI	none	Score	.53
Exons	99..239, 258..444, 697..838		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7

Gene No.	68039	Strand	+
Start	12482	End	13826
Name	OJ991108_20.0222.C7.o3.np	Method	AAT/NAP
Start	12482	End	13826
GI	6630699	Score	101
Exons	12482..12516, 13676..13826		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68040	Strand	+
Start	15356	End	17411
Name	OJ991108_20.0222.C7.o4.gs	Method	GENSCAN
Start	15356	End	15915
GI	none	Score	.87
Exons	15356..15389, 15527..15706, 15746..15915		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68040	Strand	+
Start	15356	End	17411
Name	OJ991108_20.0222.C7.o5.np	Method	AAT/NAP
Start	15538	End	17411
GI	4680186	Score	270
Exons	15538..15659, 17226..17411		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68041	Strand	-
Start	2216	End	2560
Name	OJ991108_20.0222.C7.o2.gs	Method	GENSCAN
Start	2216	End	2560
GI	none	Score	.72
Exons	2216..2560		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68042	Strand	-
Start	3843	End	13748
Name	OJ991108_20.0222.C7.o3.gs	Method	GENSCAN
Start	3843	End	13748
GI	none	Score	.52
Exons	3843..3932, 4696..4753, 5275..5596, 8448..8543, 8926..9111, 13366..13404, 13700..13748		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68043	Strand	-
Start	13746	End	17719
Name	OJ991108_20.0222.C7.o1.gp	Method	AAT/GAP
Start	13746	End	14169
GI	LIB3479-006-Q6-K1-B11	Score	618
Exons	13746..14169		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68043	Strand	-
Start	13746	End	17719

Name	OJ991108_20.0222.C7.o4.np	Method	AAT/NAP
Start	13965	End	17719
GI	5922620	Score	466
Exons	13965..14096, 15432..15790, 16046..16088, 17682..17719		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68043	Strand	-
Start	13746	End	17719
Name	OJ991108_20.0222.C7.o2.gp	Method	AAT/GAP
Start	16980	End	17359
GI	uC-osflcyp033a04b1	Score	633
Exons	16980..17359		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68044	Strand	-
Start	17798	End	25271
Name	OJ991108_20.0222.C7.o5.gs	Method	GENSCAN
Start	17798	End	19263
GI	none	Score	.61
Exons	17798..17902, 18454..19263		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68044	Strand	-
Start	17798	End	25271
Name	OJ991108_20.0222.C7.o6.np	Method	AAT/NAP
Start	17801	End	25269
GI	6907087	Score	931
Exons	17801..17902, 18454..19133, 19179..19233, 24953..25269		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68044	Strand	-
Start	17798	End	25271
Name	OJ991108_20.0222.C7.o6.gs	Method	GENSCAN
Start	22922	End	23847
GI	none	Score	.48
Exons	22922..22941, 23215..23364, 23395..23484, 23718..23847		

Seq. No.	32813	Seq. ID	OJ991108_20.0222.C7
Gene No.	68044	Strand	-
Start	17798	End	25271
Name	OJ991108_20.0222.C7.o3.gp	Method	AAT/GAP
Start	24951	End	25271
GI	uC-osflM202037g01b1	Score	472
Exons	24951..25271		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 8.0e-12 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	32814	Seq. ID	OJ991108_20.0222.C8
Gene No.	68045	Strand	+
Start	1	End	1200
Name	OJ991108_20.0222.C8.o1.np	Method	AAT/NAP
Start	1	End	1200
GI	6630699	Score	89
Exons	1..79, 1117..1200		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32814	Seq. ID	OJ991108_20.0222.C8
Gene No.	68046	Strand	+
Start	8797	End	11895
Name	OJ991108_20.0222.C8.o2.gs	Method	GENSCAN
Start	8797	End	11895
GI	none	Score	.64
Exons	8797..10884, 11194..11895		

Seq. No.	32814	Seq. ID	OJ991108_20.0222.C8
Gene No.	68046	Strand	+
Start	8797	End	11895
Name	OJ991108_20.0222.C8.o3.np	Method	AAT/NAP
Start	9394	End	10836
GI	2792238	Score	1540
Exons	9394..10836		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	32814	Seq. ID	OJ991108_20.0222.C8
Gene No.	68047	Strand	+
Start	15359	End	15958
Name	OJ991108_20.0222.C8.o3.gs	Method	GENSCAN
Start	15359	End	15958
GI	none	Score	.99
Exons	15359..15958		

Seq. No.	32814	Seq. ID	OJ991108_20.0222.C8
Gene No.	68048	Strand	-
Start	259	End	6985
Name	OJ991108_20.0222.C8.o1.gs	Method	GENSCAN
Start	259	End	6985
GI	none	Score	.52
Exons	259..467, 767..791, 837..1015, 1024..1177, 3126..3165, 3644..3783, 5360..5390, 5900..6225, 6230..6339, 6551..6646, 6769..6985		

Seq. No.	32814	Seq. ID	OJ991108_20.0222.C8
Gene No.	68048	Strand	-
Start	259	End	6985
Name	OJ991108_20.0222.C8.o2.np	Method	AAT/NAP
Start	1339	End	3109
GI	5922620	Score	175
Exons	1339..1472, 3082..3109		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	32814	Seq. ID	OJ991108_20.0222.C8
Gene No.	68049	Strand	-
Start	19100	End	21015
Name	OJ991108_20.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	9418	End	10221
GI	none	Score	94
Exons	9418..9627, 9688..9756, 9814..9981, 9841..9981, 9984..10106, 9988..10221		

Seq. No.	32814	Seq. ID	OJ991108_20.0222.C8
Gene No.	68049	Strand	-
Start	19100	End	21015
Name	OJ991108_20.0222.C8.o2.tm	Method	TBLASTX:Maize
Start	10261	End	10800
GI	none	Score	268
Exons	10261..10800, 10488..10799		

Seq. No.	32814	Seq. ID	OJ991108_20.0222.C8
Gene No.	68049	Strand	-
Start	19100	End	21015
Name	OJ991108_20.0222.C8.o4.np	Method	AAT/NAP
Start	19100	End	21015
GI	6907106	Score	343
Exons	19100..19345, 19380..19543, 20979..21015		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32814	Seq. ID	OJ991108_20.0222.C8
Gene No.	68049	Strand	-
Start	19100	End	21015
Name	OJ991108_20.0222.C8.o3.tm	Method	TBLASTX:Maize
Start	19196	End	19489
GI	none	Score	53
Exons	19196..19243, 19197..19244, 19201..19329, 19201..19329, 19310..19369, 19318..19446, 19344..19379, 19345..19380, 19348..19383, 19370..19453, 19370..19414, 19372..19446, 19397..19486, 19397..19489		

Seq. No.	32814	Seq. ID	OJ991108_20.0222.C8
Gene No.	68050	Strand	
Start	20977	End	21138
Name	OJ991108_20.0222.C8.o4.tm	Method	TBLASTX:Maize
Start	20977	End	21138
GI	none	Score	184
Exons	20977..21021, 20984..21031, 21017..21040, 21019..21138, 21020..21127		

Seq. No.	32815	Seq. ID	OJ991108_20.0222.C9
Gene No.	68051	Strand	-
Start	1	End	716
Name	OJ991108_20.0222.C9.o1.np	Method	AAT/NAP
Start	1	End	716
GI	2792238	Score	759
Exons	1..716		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	32815	Seq. ID	OJ991108_20.0222.C9
Gene No.	68051	Strand	-
Start	1	End	716
Name	OJ991108_20.0222.C9.o1.ts	Method	TBLASTX:Soybean
Start	291	End	714
GI	none	Score	58
Exons	291..323, 336..569, 430..552,	615..710,	616..714

Seq. No.	32815	Seq. ID	OJ991108_20.0222.C9
Gene No.	68051	Strand	-
Start	1	End	716
Name	OJ991108_20.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	346	End	716
GI	none	Score	78
Exons	346..561, 348..716, 567..632,	589..714	

Seq. No.	32815	Seq. ID	OJ991108_20.0222.C9
Gene No.	68051	Strand	-
Start	1	End	716
Name	OJ991108_20.0222.C9.o1.tw	Method	TBLASTX:Wheat
Start	442	End	711
GI	none	Score	73
Exons	442..552, 444..569, 588..710,	613..711	

Seq. No.	32816	Seq. ID	OJ991108_20.0222.C11
Gene No.	68052	Strand	-
Start	1	End	731
Name	OJ991108_20.0222.C11.o1.np	Method	AAT/NAP
Start	1	End	731
GI	6630685	Score	633
Exons	1..731		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	32816	Seq. ID	OJ991108_20.0222.C11
Gene No.	68052	Strand	-
Start	1	End	731
Name	OJ991108_20.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	260	End	667
GI	none	Score	184
Exons	260..286, 293..526, 294..512,	538..666,	550..651, 632..667

Seq. No.	32816	Seq. ID	OJ991108_20.0222.C11
Gene No.	68052	Strand	-
Start	1	End	731
Name	OJ991108_20.0222.C11.o1.ts	Method	TBLASTX:Soybean
Start	330	End	711
GI	5509260	Score	174
Exons	330..515, 335..526, 338..526,	535..711,	576..704, 632..709
GI Descrip.	-		

Seq. No.	32816	Seq. ID	OJ991108_20.0222.C11
Gene No.	68052	Strand	-
Start	1	End	731
Name	OJ991108_20.0222.C11.o1.tw	Method	TBLASTX:Wheat
Start	351	End	720

GI	none	Score	140
Exons	351..518, 359..517, 541..690,	545..682,	556..684, 700..720

Seq. No.	32817	Seq. ID	OJ991028_18.0207.C1
Gene No.	68053	Strand	-
Start	1	End	788
Name	OJ991028_18.0207.C1.o1.np	Method	AAT/NAP
Start	1	End	788
GI	4680203	Score	427
Exons	1..788		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32817	Seq. ID	OJ991028_18.0207.C1
Gene No.	68053	Strand	-
Start	1	End	788
Name	OJ991028_18.0207.C1.o1.tw	Method	TBLASTX:Wheat
Start	1	End	417
GI	none	Score	52
Exons	1..417, 80..193, 284..328		

Seq. No.	32817	Seq. ID	OJ991028_18.0207.C1
Gene No.	68053	Strand	-
Start	1	End	788
Name	OJ991028_18.0207.C1.o1.ts	Method	TBLASTX:Soybean
Start	8	End	345
GI	none	Score	156
Exons	8..292, 10..291, 135..296, 296..340, 298..345		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68054	Strand	+
Start	3444	End	3827
Name	OJ991028_18.0207.C2.o1.gp	Method	AAT/GAP
Start	3444	End	3827
GI	uC-osflcyp033a04b1	Score	657
Exons	3444..3827		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68055	Strand	+
Start	5776	End	10296
Name	OJ991028_18.0207.C2.o1.np	Method	AAT/NAP
Start	5776	End	10296
GI	4680179	Score	5418
Exons	5776..6861, 6895..10296		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68056	Strand	-
Start	2062	End	3018
Name	OJ991028_18.0207.C2.o1.gs	Method	GENSCAN
Start	2062	End	3018
GI	none	Score	.88
Exons	2062..2507, 2592..2695, 2852..3018		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68057	Strand	

Start	5983	End	6215
Name	OJ991028_18.0207.C2.o9.tw	Method	TBLASTX:Wheat
Start	5983	End	6215
GI	none	Score	205
Exons	5983..6003, 6016..6213, 6039..6215		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68058	Strand	
Start	6249	End	6600
Name	OJ991028_18.0207.C2.o7.tw	Method	TBLASTX:Wheat
Start	6249	End	6600
GI	none	Score	293
Exons	6249..6443, 6250..6600		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68058	Strand	
Start	6249	End	6600
Name	OJ991028_18.0207.C2.o6.tm	Method	TBLASTX:Maize
Start	6250	End	6555
GI	none	Score	232
Exons	6250..6555, 6264..6428		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68059	Strand	
Start	6886	End	7344
Name	OJ991028_18.0207.C2.o7.tm	Method	TBLASTX:Maize
Start	6886	End	7239
GI	none	Score	189
Exons	6886..7239		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68059	Strand	
Start	6886	End	7344
Name	OJ991028_18.0207.C2.o8.tw	Method	TBLASTX:Wheat
Start	6922	End	7344
GI	none	Score	163
Exons	6922..7131, 6978..7130, 7176..7289, 7177..7344		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68060	Strand	
Start	7459	End	8328
Name	OJ991028_18.0207.C2.o4.tw	Method	TBLASTX:Wheat
Start	7459	End	7941
GI	none	Score	51
Exons	7459..7509, 7563..7898, 7564..7941		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68060	Strand	
Start	7459	End	8328
Name	OJ991028_18.0207.C2.o5.tm	Method	TBLASTX:Maize
Start	7471	End	7760
GI	none	Score	277
Exons	7471..7758, 7567..7758, 7569..7760		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68060	Strand	
Start	7459	End	8328

Name	OJ991028_18.0207.C2.o3.tm	Method	TBLASTX:Maize
Start	7828	End	8328
GI	none	Score	167
Exons	7828..8007, 7836..7982, 8014..8328, 8154..8207, 8235..8285		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68060	Strand	
Start	7459	End	8328
Name	OJ991028_18.0207.C2.o1.ts	Method	TBLASTX:Soybean
Start	7882	End	8277
GI	none	Score	57
Exons	7882..7914, 7884..7913, 7918..8277, 7920..7958, 7986..8276		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68060	Strand	
Start	7459	End	8328
Name	OJ991028_18.0207.C2.o5.tw	Method	TBLASTX:Wheat
Start	7990	End	8292
GI	none	Score	381
Exons	7990..8292, 7992..8276		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68061	Strand	
Start	8293	End	8727
Name	OJ991028_18.0207.C2.o3.tw	Method	TBLASTX:Wheat
Start	8293	End	8715
GI	none	Score	595
Exons	8293..8715, 8325..8714		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68061	Strand	
Start	8293	End	8727
Name	OJ991028_18.0207.C2.o3.ts	Method	TBLASTX:Soybean
Start	8299	End	8544
GI	none	Score	204
Exons	8299..8544, 8316..8444		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68061	Strand	
Start	8293	End	8727
Name	OJ991028_18.0207.C2.o2.tm	Method	TBLASTX:Maize
Start	8364	End	8727
GI	none	Score	479
Exons	8364..8714, 8365..8718, 8365..8727		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68062	Strand	
Start	8718	End	10251
Name	OJ991028_18.0207.C2.o2.tw	Method	TBLASTX:Wheat
Start	8718	End	9285
GI	none	Score	653
Exons	8718..9284, 8749..9285		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68062	Strand	
Start	8718	End	10251
Name	OJ991028_18.0207.C2.o1.tc	Method	TBLASTX:Cress

Start	8992	End	9309
GI	none	Score	90
Exons	8992..9165, 9166..9309, 9168..9308		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68062	Strand	
Start	8718	End	10251
Name	OJ991028_18.0207.C2.o2.ts	Method	TBLASTX:Soybean
Start	9073	End	9333
GI	none	Score	296
Exons	9073..9333, 9078..9332		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68062	Strand	
Start	8718	End	10251
Name	OJ991028_18.0207.C2.o4.tm	Method	TBLASTX:Maize
Start	9131	End	9423
GI	none	Score	91
Exons	9131..9292, 9132..9419, 9133..9423		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68062	Strand	
Start	8718	End	10251
Name	OJ991028_18.0207.C2.o1.tw	Method	TBLASTX:Wheat
Start	9292	End	9918
GI	none	Score	704
Exons	9292..9918, 9298..9633, 9348..9806, 9793..9915		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68062	Strand	
Start	8718	End	10251
Name	OJ991028_18.0207.C2.o1.tm	Method	TBLASTX:Maize
Start	9472	End	10071
GI	none	Score	231
Exons	9472..9633, 9478..9624, 9480..9626, 9630..10055, 9631..10071		

Seq. No.	32818	Seq. ID	OJ991028_18.0207.C2
Gene No.	68062	Strand	
Start	8718	End	10251
Name	OJ991028_18.0207.C2.o6.tw	Method	TBLASTX:Wheat
Start	9918	End	10251
GI	none	Score	322
Exons	9918..10187, 9919..10251, 9922..10230		

Seq. No.	32819	Seq. ID	OJ991028_18.0207.C3
Gene No.	68063	Strand	-
Start	1	End	761
Name	OJ991028_18.0207.C3.o1.np	Method	AAT/NAP
Start	1	End	761
GI	4680179	Score	696
Exons	1..761		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32819	Seq. ID	OJ991028_18.0207.C3
Gene No.	68063	Strand	-
Start	1	End	761
Name	OJ991028_18.0207.C3.o1.tw	Method	TBLASTX:Wheat

Start	66	End	417
GI	none	Score	104
Exons	66..416, 223..417		

Seq. No.	32819	Seq. ID	OJ991028_18.0207.C3
Gene No.	68063	Strand	-
Start	1	End	761
Name	OJ991028_18.0207.C3.o1.gs	Method	GENSCAN
Start	78	End	725
GI	none	Score	.8
Exons	78..281, 333..725		

Seq. No.	32819	Seq. ID	OJ991028_18.0207.C3
Gene No.	68063	Strand	-
Start	1	End	761
Name	OJ991028_18.0207.C3.o1.tm	Method	TBLASTX:Maize
Start	111	End	416
GI	none	Score	88
Exons	111..416, 286..402		

Seq. No.	32819	Seq. ID	OJ991028_18.0207.C3
Gene No.	68063	Strand	-
Start	1	End	761
Name	OJ991028_18.0207.C3.o2.tw	Method	TBLASTX:Wheat
Start	451	End	650
GI	none	Score	117
Exons	451..648, 453..650		

Seq. No.	32820	Seq. ID	OJ991028_18.0207.C5
Gene No.	68064	Strand	-
Start	1	End	1991
Name	OJ991028_18.0207.C5.o1.np	Method	AAT/NAP
Start	1	End	1991
GI	6705984	Score	1437
Exons	1..24, 954..1991		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	32820	Seq. ID	OJ991028_18.0207.C5
Gene No.	68064	Strand	-
Start	1	End	1991
Name	OJ991028_18.0207.C5.o2.tw	Method	TBLASTX:Wheat
Start	633	End	1373
GI	none	Score	49
Exons	633..686, 1014..1133, 1021..1131, 1129..1236, 1228..1368, 1230..1373, 1245..1373		

Seq. No.	32820	Seq. ID	OJ991028_18.0207.C5
Gene No.	68064	Strand	-
Start	1	End	1991
Name	OJ991028_18.0207.C5.o1.tm	Method	TBLASTX:Maize
Start	1129	End	1467
GI	none	Score	76
Exons	1129..1239, 1129..1236, 1215..1466, 1228..1467		

Seq. No.	32820	Seq. ID	OJ991028_18.0207.C5
Gene No.	68064	Strand	-
Start	1	End	1991

Name	OJ991028_18.0207.C5.o1.tc	Method	TBLASTX:Cress
Start	1189	End	1544
GI	none	Score	44
Exons	1189..1230, 1189..1233, 1216..1512, 1218..1544		

Seq. No.	32820	Seq. ID	OJ991028_18.0207.C5
Gene No.	68064	Strand	-
Start	1	End	1991
Name	OJ991028_18.0207.C5.o1.tw	Method	TBLASTX:Wheat
Start	1500	End	1926
GI	none	Score	371
Exons	1500..1925, 1501..1926, 1840..1926		

Seq. No.	32820	Seq. ID	OJ991028_18.0207.C5
Gene No.	68064	Strand	-
Start	1	End	1991
Name	OJ991028_18.0207.C5.o1.ts	Method	TBLASTX:Soybean
Start	1642	End	1914
GI	none	Score	54
Exons	1642..1731, 1647..1733, 1729..1914, 1737..1913		

Seq. No.	32820	Seq. ID	OJ991028_18.0207.C5
Gene No.	68064	Strand	-
Start	1	End	1991
Name	OJ991028_18.0207.C5.o2.tm	Method	TBLASTX:Maize
Start	1686	End	1988
GI	none	Score	87
Exons	1686..1988, 1699..1920		

Seq. No.	32821	Seq. ID	OJ991028_18.0207.C6
Gene No.	68065	Strand	-
Start	1	End	2289
Name	OJ991028_18.0207.C6.o1.np	Method	AAT/NAP
Start	1	End	2289
GI	6705984	Score	1663
Exons	1..1478, 1506..2289		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	32821	Seq. ID	OJ991028_18.0207.C6
Gene No.	68065	Strand	-
Start	1	End	2289
Name	OJ991028_18.0207.C6.o3.tw	Method	TBLASTX:Wheat
Start	2	End	328
GI	none	Score	68
Exons	2..328, 5..169		

Seq. No.	32821	Seq. ID	OJ991028_18.0207.C6
Gene No.	68065	Strand	-
Start	1	End	2289
Name	OJ991028_18.0207.C6.o3.ts	Method	TBLASTX:Soybean
Start	5	End	289
GI	none	Score	178
Exons	5..289		

Seq. No.	32821	Seq. ID	OJ991028_18.0207.C6
Gene No.	68065	Strand	-
Start	1	End	2289

Name	OJ991028_18.0207.C6.o1.tm	Method	TBLASTX:Maize
Start	8	End	430
GI	none	Score	71
Exons	8..373, 68..232, 258..374, 380..430		

Seq. No.	32821	Seq. ID	OJ991028_18.0207.C6
Gene No.	68065	Strand	-
Start	1	End	2289
Name	OJ991028_18.0207.C6.o1.gs	Method	GENSCAN
Start	222	End	2263
GI	none	Score	.66
Exons	222..639, 854..880, 967..2263		

Seq. No.	32821	Seq. ID	OJ991028_18.0207.C6
Gene No.	68065	Strand	-
Start	1	End	2289
Name	OJ991028_18.0207.C6.o1.tw	Method	TBLASTX:Wheat
Start	624	End	1096
GI	none	Score	150
Exons	624..812, 632..814, 638..811, 769..813, 815..1096, 849..1076		

Seq. No.	32821	Seq. ID	OJ991028_18.0207.C6
Gene No.	68065	Strand	-
Start	1	End	2289
Name	OJ991028_18.0207.C6.o1.ts	Method	TBLASTX:Soybean
Start	638	End	856
GI	none	Score	125
Exons	638..850, 638..856		

Seq. No.	32821	Seq. ID	OJ991028_18.0207.C6
Gene No.	68065	Strand	-
Start	1	End	2289
Name	OJ991028_18.0207.C6.o2.tm	Method	TBLASTX:Maize
Start	638	End	856
GI	none	Score	131
Exons	638..850, 638..856		

Seq. No.	32821	Seq. ID	OJ991028_18.0207.C6
Gene No.	68065	Strand	-
Start	1	End	2289
Name	OJ991028_18.0207.C6.o2.tw	Method	TBLASTX:Wheat
Start	1358	End	2005
GI	none	Score	36
Exons	1358..1420, 1413..1466, 1466..1813, 1506..1784, 1571..1807, 1835..2002, 1838..1984, 1964..2005		

Seq. No.	32821	Seq. ID	OJ991028_18.0207.C6
Gene No.	68065	Strand	-
Start	1	End	2289
Name	OJ991028_18.0207.C6.o2.ts	Method	TBLASTX:Soybean
Start	1583	End	1972
GI	none	Score	105
Exons	1583..1804, 1796..1972		

Seq. No.	32821	Seq. ID	OJ991028_18.0207.C6
Gene No.	68065	Strand	-
Start	1	End	2289

Name	OJ991028_18.0207.C6.o3.tm	Method	TBLASTX:Maize
Start	1835	End	2026
GI	none	Score	41
Exons	1835..1876, 1838..2026, 1839..1994, 1916..2002		

Seq. No.	32822	Seq. ID	OJ991028_18.0207.C7
Gene No.	68066	Strand	+
Start	67	End	492
Name	OJ991028_18.0207.C7.o1.gs	Method	GENSCAN
Start	67	End	492
GI	none	Score	.7
Exons	67..203, 280..492		

Seq. No.	32822	Seq. ID	OJ991028_18.0207.C7
Gene No.	68067	Strand	-
Start	2430	End	3518
Name	OJ991028_18.0207.C7.o2.tm	Method	TBLASTX:Maize
Start	1011	End	1980
GI	none	Score	60
Exons	1011..1166, 1012..1170, 1012..1167, 1039..1200, 1047..1169, 1138..1281, 1153..1275, 1157..1279, 1167..1274, 1169..1282, 1182..1271, 1183..1281, 1183..1287, 1214..1288, 1216..1290, 1217..1288, 1324..1431, 1324..1443, 1337..1429, 1339..1446, 1359..1418, 1478..1633, 1514..1585, 1514..1600, 1516..1599, 1520..1636, 1526..1633, 1580..1672, 1580..1672, 1633..1725, 1635..1733, 1655..1813, 1661..1807, 1661..1828, 1663..1809, 1664..1828, 1672..1806, 1688..1807, 1699..1806, 1711..1806, 1714..1839, 1715..1828, 1716..1817, 1832..1951, 1862..1942, 1865..1948, 1870..1965, 1871..1954, 1877..1954, 1880..1948, 1883..1948, 1891..1980		

Seq. No.	32822	Seq. ID	OJ991028_18.0207.C7
Gene No.	68067	Strand	-
Start	2430	End	3518
Name	OJ991028_18.0207.C7.o2.gs	Method	GENSCAN
Start	2430	End	3291
GI	none	Score	.66
Exons	2430..2527, 3279..3291		

Seq. No.	32822	Seq. ID	OJ991028_18.0207.C7
Gene No.	68067	Strand	-
Start	2430	End	3518
Name	OJ991028_18.0207.C7.o1.tm	Method	TBLASTX:Maize
Start	3123	End	3518
GI	none	Score	113
Exons	3123..3269, 3363..3518		

Seq. No.	32823	Seq. ID	OJ991028_18.0207.C8
Gene No.	68068	Strand	+
Start	275	End	1018
Name	OJ991028_18.0207.C8.o1.gs	Method	GENSCAN
Start	275	End	1018
GI	none	Score	.63
Exons	275..503, 587..703, 787..870, 935..1018		

Seq. No.	32823	Seq. ID	OJ991028_18.0207.C8
Gene No.	68069	Strand	-

Start	3325	End	4520
Name	OJ991028_18.0207.C8.o3.gs	Method	GENSCAN
Start	3325	End	4520
GI	none	Score	.71
Exons	3325..3842, 4457..4520		

Seq. No.	32823	Seq. ID	OJ991028_18.0207.C8
Gene No.	68070	Strand	-
Start	5091	End	9544
Name	OJ991028_18.0207.C8.o1.tm	Method	TBLASTX:Maize
Start	54	End	521
GI	none	Score	79
Exons	54..152, 91..156, 267..392, 272..391, 405..521, 407..463		

Seq. No.	32823	Seq. ID	OJ991028_18.0207.C8
Gene No.	68070	Strand	-
Start	5091	End	9544
Name	OJ991028_18.0207.C8.o4.gs	Method	GENSCAN
Start	5091	End	9544
GI	none	Score	.99
Exons	5091..5138, 6123..6384, 6529..7319, 9542..9544		

Seq. No.	32824	Seq. ID	OJ991028_18.0207.C9
Gene No.	68071	Strand	+
Start	426	End	1844
Name	OJ991028_18.0207.C9.o1.gs	Method	GENSCAN
Start	426	End	1844
GI	none	Score	.71
Exons	426..499, 1397..1439, 1635..1844		

Seq. No.	32824	Seq. ID	OJ991028_18.0207.C9
Gene No.	68072	Strand	+
Start	4832	End	5803
Name	OJ991028_18.0207.C9.o2.gs	Method	GENSCAN
Start	4832	End	5803
GI	none	Score	.86
Exons	4832..5065, 5191..5290, 5646..5803		

Seq. No.	32824	Seq. ID	OJ991028_18.0207.C9
Gene No.	68073	Strand	+
Start	11038	End	11907
Name	OJ991028_18.0207.C9.o1.np	Method	AAT/NAP
Start	11038	End	11907
GI	1666236	Score	322
Exons	11038..11907		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	32824	Seq. ID	OJ991028_18.0207.C9
Gene No.	68074	Strand	-
Start	7205	End	8246
Name	OJ991028_18.0207.C9.o3.gs	Method	GENSCAN
Start	7205	End	8246
GI	none	Score	.93
Exons	7205..7303, 7629..7678, 7829..8246		

Seq. No.	32824	Seq. ID	OJ991028_18.0207.C9
Gene No.	68075	Strand	

Start	9672	End	9961
Name	OJ991028_18.0207.C9.o1.tm	Method	TBLASTX:Maize
Start	9672	End	9961
GI	none	Score	166
Exons	9672..9776, 9676..9900, 9896..9961		

Seq. No.	32824	Seq. ID	OJ991028_18.0207.C9
Gene No.	68076	Strand	
Start	11206	End	11553
Name	OJ991028_18.0207.C9.o1.tw	Method	TBLASTX:Wheat
Start	11206	End	11553
GI	none	Score	114
Exons	11206..11322, 11341..11553		

Seq. No.	32825	Seq. ID	OJ991028_18.0207.C10
Gene No.	68077	Strand	+
Start	1	End	1825
Name	OJ991028_18.0207.C10.o1.np	Method	AAT/NAP
Start	1	End	970
GI	6691193	Score	281
Exons	1..699, 814..970		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	32825	Seq. ID	OJ991028_18.0207.C10
Gene No.	68077	Strand	+
Start	1	End	1825
Name	OJ991028_18.0207.C10.o1.tw	Method	TBLASTX:Wheat
Start	126	End	497
GI	none	Score	103
Exons	126..269, 312..497, 314..496		

Seq. No.	32825	Seq. ID	OJ991028_18.0207.C10
Gene No.	68077	Strand	+
Start	1	End	1825
Name	OJ991028_18.0207.C10.o1.gs	Method	GENSCAN
Start	417	End	1825
GI	none	Score	.69
Exons	417..737, 768..959, 1795..1825		

Seq. No.	32826	Seq. ID	OJ991028_18.0207.C11
Gene No.	68078	Strand	-
Start	341	End	745
Name	OJ991028_18.0207.C11.o1.gs	Method	GENSCAN
Start	341	End	745
GI	none	Score	.96
Exons	341..745		

Seq. No.	32827	Seq. ID	OJ991028_18.0207.C12
Gene No.	68079	Strand	-
Start	1881	End	2208
Name	OJ991028_18.0207.C12.o1.np	Method	AAT/NAP
Start	1881	End	2208
GI	477578	Score	119
Exons	1881..2208		
GI Descrip.	sialidase - Actinomyces viscosus gi|141852 (L06898) sialidase [Actinomyces viscosus]		

Seq. No.	32827	Seq. ID	OJ991028_18.0207.C12
Gene No.	68080	Strand	-
Start	3096	End	3578
Name	OJ991028_18.0207.C12.o2.np	Method	AAT/NAP
Start	3027	End	3578
GI	4680203	Score	236
Exons	3027..3578		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32827	Seq. ID	OJ991028_18.0207.C12
Gene No.	68080	Strand	-
Start	3096	End	3578
Name	OJ991028_18.0207.C12.o2.gs	Method	GENSCAN
Start	3096	End	3559
GI	none	Score	.56
Exons	3096..3368, 3389..3559		

Seq. No.	32827	Seq. ID	OJ991028_18.0207.C12
Gene No.	68080	Strand	-
Start	3096	End	3578
Name	OJ991028_18.0207.C12.o1.tw	Method	TBLASTX:Wheat
Start	3105	End	3577
GI	none	Score	49
Exons	3105..3224, 3267..3329, 3272..3328, 3347..3400, 3401..3457, 3403..3444, 3499..3558, 3509..3577		

Seq. No.	32827	Seq. ID	OJ991028_18.0207.C12
Gene No.	68080	Strand	-
Start	3096	End	3578
Name	OJ991028_18.0207.C12.o1.ts	Method	TBLASTX:Soybean
Start	3168	End	3415
GI	none	Score	146
Exons	3168..3269, 3263..3415		

Seq. No.	32828	Seq. ID	OJ991028_18.0207.C13
Gene No.	68081	Strand	-
Start	1	End	700
Name	OJ991028_18.0207.C13.o1.np	Method	AAT/NAP
Start	1	End	700
GI	6742729	Score	576
Exons	1..700		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	32828	Seq. ID	OJ991028_18.0207.C13
Gene No.	68081	Strand	-
Start	1	End	700
Name	OJ991028_18.0207.C13.o1.tw	Method	TBLASTX:Wheat
Start	1	End	345
GI	none	Score	186
Exons	1..345, 20..343		

Seq. No.	32828	Seq. ID	OJ991028_18.0207.C13
Gene No.	68081	Strand	-
Start	1	End	700
Name	OJ991028_18.0207.C13.o1.tm	Method	TBLASTX:Maize
Start	31	End	346
GI	none	Score	124

Exons	31..345, 50..346		
Seq. No.	32828	Seq. ID	OJ991028_18.0207.C13
Gene No.	68081	Strand	-
Start	1	End	700
Name	OJ991028_18.0207.C13.o1.gs	Method	GENSCAN
Start	38	End	697
GI	none	Score	.56
Exons	38..134, 364..523, 644..697		
Seq. No.	32828	Seq. ID	OJ991028_18.0207.C13
Gene No.	68081	Strand	-
Start	1	End	700
Name	OJ991028_18.0207.C13.o2.tw	Method	TBLASTX:Wheat
Start	365	End	697
GI	none	Score	64
Exons	365..487, 578..697, 617..697		
Seq. No.	32828	Seq. ID	OJ991028_18.0207.C13
Gene No.	68081	Strand	-
Start	1	End	700
Name	OJ991028_18.0207.C13.o2.tm	Method	TBLASTX:Maize
Start	503	End	694
GI	none	Score	72
Exons	503..694, 504..623		
Seq. No.	32829	Seq. ID	OJ991028_18.0207.C14
Gene No.	68082	Strand	-
Start	39	End	136
Name	OJ991028_18.0207.C14.o1.gs	Method	GENSCAN
Start	39	End	136
GI	none	Score	.5
Exons	39..136		
Seq. No.	32830	Seq. ID	OJ991028_18.0207.C15
Gene No.	68083	Strand	+
Start	1	End	513
Name	OJ991028_18.0207.C15.o1.np	Method	AAT/NAP
Start	1	End	513
GI	4680179	Score	375
Exons	1..513		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	32830	Seq. ID	OJ991028_18.0207.C15
Gene No.	68083	Strand	+
Start	1	End	513
Name	OJ991028_18.0207.C15.o1.gs	Method	GENSCAN
Start	5	End	448
GI	none	Score	.83
Exons	5..342, 358..448		
Seq. No.	32831	Seq. ID	OJ991028_18.0207.C16
Gene No.	68084	Strand	-
Start	703	End	1313
Name	OJ991028_18.0207.C16.o1.gs	Method	GENSCAN
Start	703	End	1313
GI	none	Score	.8

Exons	703..834, 1248..1313		
Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68085	Strand	+
Start	7672	End	9726
Name	OJ991028_18.0207.C17.o2.gp	Method	AAT/GAP
Start	7567	End	7950
GI	uC-osflcyp033a04b1	Score	661
Exons	7567..7950		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68085	Strand	+
Start	7672	End	9726
Name	OJ991028_18.0207.C17.o4.gs	Method	GENSCAN
Start	7672	End	9726
GI	none	Score	.8
Exons	7672..7737, 8839..9604, 9643..9726		
Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68086	Strand	-
Start	1	End	3005
Name	OJ991028_18.0207.C17.o1.np	Method	AAT/NAP
Start	1	End	3005
GI	5902445	Score	2031
Exons	1..26, 898..1140, 1180..3005		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68086	Strand	-
Start	1	End	3005
Name	OJ991028_18.0207.C17.o1.gs	Method	GENSCAN
Start	892	End	2214
GI	none	Score	.98
Exons	892..2214		
Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68086	Strand	-
Start	1	End	3005
Name	OJ991028_18.0207.C17.o2.gs	Method	GENSCAN
Start	2328	End	2939
GI	none	Score	.99
Exons	2328..2939		
Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o6.tw	Method	TBLASTX:Wheat
Start	1228	End	1482
GI	none	Score	63
Exons	1228..1482, 1355..1480		
Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o2.ts	Method	TBLASTX:Soybean

Start	1426	End	1812
GI	none	Score	63
Exons	1426..1674, 1448..1546, 1684..1812		

Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o4.tw	Method	TBLASTX:Wheat
Start	1525	End	1933
GI	none	Score	58
Exons	1525..1596, 1525..1698, 1706..1933, 1708..1932		

Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o2.tm	Method	TBLASTX:Maize
Start	1930	End	2352
GI	none	Score	113
Exons	1930..1956, 2008..2082, 2101..2352, 2123..2332		

Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o1.ts	Method	TBLASTX:Soybean
Start	2023	End	2425
GI	none	Score	81
Exons	2023..2424, 2264..2425		

Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o2.tw	Method	TBLASTX:Wheat
Start	2078	End	2489
GI	none	Score	251
Exons	2078..2449, 2080..2445, 2442..2489		

Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o1.tm	Method	TBLASTX:Maize
Start	2574	End	2930
GI	none	Score	156
Exons	2574..2876, 2574..2930, 2575..2895		

Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o1.tw	Method	TBLASTX:Wheat
Start	2604	End	3060
GI	none	Score	356
Exons	2604..3059, 2605..3060		

Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o3.ts	Method	TBLASTX:Soybean
Start	2655	End	3026

GI	none	Score	95
Exons	2655..2789, 2796..3026		

Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o2.np	Method	AAT/NAP
Start	3072	End	9921
GI	5902444	Score	1038
Exons	3072..5116, 6317..6528, 9840..9921		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o3.tw	Method	TBLASTX:Wheat
Start	3209	End	3707
GI	none	Score	38
Exons	3209..3262, 3252..3488, 3262..3327, 3267..3482, 3370..3486, 3525..3707, 3598..3699		

Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o5.tw	Method	TBLASTX:Wheat
Start	4338	End	4730
GI	none	Score	89
Exons	4338..4613, 4339..4566, 4572..4685, 4624..4659, 4686..4730		

Seq. No.	32832	Seq. ID	OJ991028_18.0207.C17
Gene No.	68087	Strand	-
Start	3072	End	9921
Name	OJ991028_18.0207.C17.o3.tm	Method	TBLASTX:Maize
Start	4452	End	4691
GI	none	Score	186
Exons	4452..4691		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68088	Strand	+
Start	31	End	414
Name	OJ991028_18.0207.C18.o1.gp	Method	AAT/GAP
Start	31	End	414
GI	uC-osflcyp033a04b1	Score	665
Exons	31..414		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68089	Strand	+
Start	4914	End	9384
Name	OJ991028_18.0207.C18.o2.np	Method	AAT/NAP
Start	4914	End	9384
GI	4680179	Score	5688
Exons	4914..9384		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18

Gene No.	68090	Strand	-
Start	1	End	1913
Name	OJ991028_18.0207.C18.o1.np	Method	AAT/NAP
Start	1	End	1913
GI	4680186	Score	243
Exons	1..173, 1868..1913		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68090	Strand	-
Start	1	End	1913
Name	OJ991028_18.0207.C18.o1.gs	Method	GENSCAN
Start	825	End	1529
GI	none	Score	.46
Exons	825..1529		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o9.tw	Method	TBLASTX:Wheat
Start	5127	End	5325
GI	none	Score	215
Exons	5127..5324, 5128..5325		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o7.tw	Method	TBLASTX:Wheat
Start	5376	End	5727
GI	none	Score	312
Exons	5376..5549, 5377..5727, 5525..5593		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o6.tm	Method	TBLASTX:Maize
Start	5377	End	5682
GI	none	Score	247
Exons	5377..5682		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o8.tw	Method	TBLASTX:Wheat
Start	6061	End	6414
GI	none	Score	250
Exons	6061..6414		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o7.tm	Method	TBLASTX:Maize
Start	6418	End	6611
GI	none	Score	188
Exons	6418..6609, 6456..6611		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18

Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o4.tw	Method	TBLASTX:Wheat
Start	6546	End	7029
GI	none	Score	535
Exons	6546..6986, 6547..7029, 6550..7026		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o4.ts	Method	TBLASTX:Soybean
Start	6583	End	6897
GI	none	Score	198
Exons	6583..6897		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o4.tm	Method	TBLASTX:Maize
Start	6612	End	7059
GI	none	Score	373
Exons	6612..7049, 6616..7059		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o1.ts	Method	TBLASTX:Soybean
Start	6969	End	7365
GI	none	Score	39
Exons	6969..7001, 6970..7002, 6970..7002, 7006..7059, 7008..7049, 7023..7169, 7114..7365, 7122..7355		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o5.tm	Method	TBLASTX:Maize
Start	7114	End	7446
GI	none	Score	311
Exons	7114..7446, 7167..7445		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o5.tw	Method	TBLASTX:Wheat
Start	7117	End	7380
GI	none	Score	372
Exons	7117..7380, 7119..7379		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o3.tw	Method	TBLASTX:Wheat
Start	7381	End	7806
GI	none	Score	591
Exons	7381..7806, 7383..7799		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18

Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o3.ts	Method	TBLASTX:Soybean
Start	7387	End	7635
GI	none	Score	206
Exons	7387..7635		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o2.tm	Method	TBLASTX:Maize
Start	7453	End	7806
GI	none	Score	464
Exons	7453..7806, 7458..7799		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o2.tw	Method	TBLASTX:Wheat
Start	7834	End	8373
GI	none	Score	633
Exons	7834..8373, 8016..8369		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o1.tc	Method	TBLASTX:Cress
Start	8071	End	8397
GI	none	Score	90
Exons	8071..8253, 8254..8397, 8256..8396		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o2.ts	Method	TBLASTX:Soybean
Start	8161	End	8421
GI	none	Score	301
Exons	8161..8421, 8172..8420		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o3.tm	Method	TBLASTX:Maize
Start	8219	End	8511
GI	none	Score	160
Exons	8219..8422, 8220..8507, 8220..8507, 8221..8511		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o1.tw	Method	TBLASTX:Wheat
Start	8380	End	9006
GI	none	Score	723
Exons	8380..9006, 8439..8885, 8946..9005		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-

Start	9810	End	10015
Name	OJ991028_18.0207.C18.o1.tm	Method	TBLASTX:Maize
Start	8559	End	9144
GI	none	Score	229
Exons	8559..8714, 8560..8721, 8718..8882, 8719..9144, 8878..8964, 8946..9143		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o6.tw	Method	TBLASTX:Wheat
Start	9006	End	9339
GI	none	Score	315
Exons	9006..9287, 9007..9339		

Seq. No.	32833	Seq. ID	OJ991028_18.0207.C18
Gene No.	68091	Strand	-
Start	9810	End	10015
Name	OJ991028_18.0207.C18.o3.gs	Method	GENSCAN
Start	9810	End	10015
GI	none	Score	.95
Exons	9810..10015		

Seq. No.	32834	Seq. ID	OJ991028_18.0207.C19
Gene No.	68092	Strand	+
Start	3379	End	7046
Name	OJ991028_18.0207.C19.o1.gs	Method	GENSCAN
Start	3379	End	4302
GI	none	Score	1
Exons	3379..3863, 3894..4302		

Seq. No.	32834	Seq. ID	OJ991028_18.0207.C19
Gene No.	68092	Strand	+
Start	3379	End	7046
Name	OJ991028_18.0207.C19.o3.np	Method	AAT/NAP
Start	3724	End	7046
GI	6721512	Score	94
Exons	3724..3781, 5284..5430, 7021..7046		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32834	Seq. ID	OJ991028_18.0207.C19
Gene No.	68093	Strand	+
Start	9067	End	9143
Name	OJ991028_18.0207.C19.o4.gp	Method	AAT/GAP
Start	9067	End	9143
GI	LIB3434-018-P1-K1-E3	Score	133
Exons	9067..9143		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32834	Seq. ID	OJ991028_18.0207.C19
Gene No.	68094	Strand	-
Start	1556	End	9143
Name	OJ991028_18.0207.C19.o2.np	Method	AAT/NAP
Start	1556	End	9143
GI	5852175	Score	132
Exons	1556..1588, 2205..2300, 2874..2930, 3580..3755, 9092..9143		

GI Descrip. (AL117265) zhb0005.1 [Oryza sativa]

Seq. No.	32834	Seq. ID	OJ991028_18.0207.C19
Gene No.	68094	Strand	-
Start	1556	End	9143
Name	OJ991028_18.0207.C19.o1.np	Method	AAT/NAP
Start	2065	End	4063
GI	6063554	Score	250
Exons	2065..2238, 2877..2905, 3583..3802, 3909..4063		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32834	Seq. ID	OJ991028_18.0207.C19
Gene No.	68094	Strand	-
Start	1556	End	9143
Name	OJ991028_18.0207.C19.o2.gs	Method	GENSCAN
Start	4754	End	5383
GI	none	Score	.97
Exons	4754..5383		

Seq. No.	32834	Seq. ID	OJ991028_18.0207.C19
Gene No.	68094	Strand	-
Start	1556	End	9143
Name	OJ991028_18.0207.C19.o3.gs	Method	GENSCAN
Start	6784	End	8425
GI	none	Score	.58
Exons	6784..6878, 7257..7509, 7988..8064, 8242..8425		

Seq. No.	32834	Seq. ID	OJ991028_18.0207.C19
Gene No.	68094	Strand	-
Start	1556	End	9143
Name	OJ991028_18.0207.C19.o2.gp	Method	AAT/GAP
Start	6965	End	7275
GI	72524_1.R1084	Score	403
Exons	6965..7275		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	32834	Seq. ID	OJ991028_18.0207.C19
Gene No.	68094	Strand	-
Start	1556	End	9143
Name	OJ991028_18.0207.C19.o3.gp	Method	AAT/GAP
Start	7749	End	7848
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	7749..7848		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32835	Seq. ID	OJ991028_18.0207.C20
Gene No.	68095	Strand	+
Start	1	End	1877
Name	OJ991028_18.0207.C20.o1.gp	Method	AAT/GAP
Start	1	End	1877
GI	LIB3434-018-P1-K1-E3	Score	410
Exons	1..82, 1120..1152, 1759..1877		

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	32835	Seq. ID	OJ991028_18.0207.C20
Gene No.	68095	Strand	+
Start	1	End	1877
Name	OJ991028_18.0207.C20.o1.gs	Method	GENSCAN
Start	22	End	1152
GI	none	Score	.64
Exons	22..82, 1120..1152		

Seq. No.	32836	Seq. ID	OJ991028_18.0207.C21
Gene No.	68096	Strand	+
Start	378	End	526
Name	OJ991028_18.0207.C21.o1.gs	Method	GENSCAN
Start	378	End	526
GI	none	Score	.81
Exons	378..526		

Seq. No.	32837	Seq. ID	OJ991028_18.0207.C22
Gene No.	68097	Strand	+
Start	1	End	1418
Name	OJ991028_18.0207.C22.o1.np	Method	AAT/NAP
Start	1	End	1418
GI	4680179	Score	1911
Exons	1..1418		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32837	Seq. ID	OJ991028_18.0207.C22
Gene No.	68097	Strand	+
Start	1	End	1418
Name	OJ991028_18.0207.C22.o2.tw	Method	TBLASTX:Wheat
Start	34	End	612
GI	none	Score	649
Exons	34..612, 157..606, 228..611		

Seq. No.	32837	Seq. ID	OJ991028_18.0207.C22
Gene No.	68097	Strand	+
Start	1	End	1418
Name	OJ991028_18.0207.C22.o1.gs	Method	GENSCAN
Start	100	End	1341
GI	none	Score	.74
Exons	100..1341		

Seq. No.	32837	Seq. ID	OJ991028_18.0207.C22
Gene No.	68097	Strand	+
Start	1	End	1418
Name	OJ991028_18.0207.C22.o1.tc	Method	TBLASTX:Cress
Start	319	End	636
GI	none	Score	78
Exons	319..492, 493..636, 495..635		

Seq. No.	32837	Seq. ID	OJ991028_18.0207.C22
Gene No.	68097	Strand	+
Start	1	End	1418
Name	OJ991028_18.0207.C22.o1.ts	Method	TBLASTX:Soybean
Start	400	End	661

GI	none	Score	284
Exons	400..660, 405..659, 479..661		

Seq. No.	32837	Seq. ID	OJ991028_18.0207.C22
Gene No.	68097	Strand	+
Start	1	End	1418
Name	OJ991028_18.0207.C22.o2.tm	Method	TBLASTX:Maize
Start	458	End	750
GI	none	Score	118
Exons	458..646, 459..746, 460..750		

Seq. No.	32837	Seq. ID	OJ991028_18.0207.C22
Gene No.	68097	Strand	+
Start	1	End	1418
Name	OJ991028_18.0207.C22.o1.tw	Method	TBLASTX:Wheat
Start	619	End	1245
GI	none	Score	705
Exons	619..1245, 675..1133, 1120..1242		

Seq. No.	32837	Seq. ID	OJ991028_18.0207.C22
Gene No.	68097	Strand	+
Start	1	End	1418
Name	OJ991028_18.0207.C22.o1.tm	Method	TBLASTX:Maize
Start	799	End	1399
GI	none	Score	231
Exons	799..960, 807..953, 957..1259, 958..1311, 1120..1308, 1313..1399		

Seq. No.	32838	Seq. ID	OJ991028_18.0207.C23
Gene No.	68098	Strand	+
Start	738	End	847
Name	OJ991028_18.0207.C23.o1.gs	Method	GENSCAN
Start	738	End	847
GI	none	Score	.48
Exons	738..847		

Seq. No.	32839	Seq. ID	OJ991028_18.0207.C24
Gene No.	68099	Strand	+
Start	1	End	567
Name	OJ991028_18.0207.C24.o1.np	Method	AAT/NAP
Start	1	End	567
GI	6815052	Score	252
Exons	1..86, 129..258, 307..567		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	32839	Seq. ID	OJ991028_18.0207.C24
Gene No.	68099	Strand	+
Start	1	End	567
Name	OJ991028_18.0207.C24.o1.gs	Method	GENSCAN
Start	21	End	437
GI	none	Score	.81
Exons	21..258, 310..437		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o1.gs	Method	GENSCAN
Start	4	End	3128

GI	none	Score	.64
Exons	4..103, 121..309, 347..2084, 2113..2267, 2282..3128		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o3.tw	Method	TBLASTX:Wheat
Start	37	End	485
GI	none	Score	59
Exons	37..138, 116..292, 123..305, 295..450, 312..485		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o1.np	Method	AAT/NAP
Start	85	End	3177
GI	5902445	Score	1450
Exons	85..1421, 1457..1516, 1544..3177		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o2.tm	Method	TBLASTX:Maize
Start	200	End	495
GI	none	Score	105
Exons	200..301, 201..305, 280..495		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	499	End	927
GI	none	Score	386
Exons	499..927, 508..822		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o2.tw	Method	TBLASTX:Wheat
Start	604	End	1020
GI	none	Score	333
Exons	604..1020, 654..800, 742..813, 873..956		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	646	End	1176
GI	none	Score	380
Exons	646..1125, 657..803, 1105..1176		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o2.ts	Method	TBLASTX:Soybean
Start	1264	End	1734

GI	none	Score	136
Exons	1264..1401, 1471..1509, 1606..1734, 1608..1661		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o3.tm	Method	TBLASTX:Maize
Start	2149	End	2448
GI	none	Score	204
Exons	2149..2448		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o4.tw	Method	TBLASTX:Wheat
Start	2149	End	2424
GI	none	Score	184
Exons	2149..2424		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o3.ts	Method	TBLASTX:Soybean
Start	2290	End	2679
GI	none	Score	225
Exons	2290..2679, 2391..2612		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o5.tw	Method	TBLASTX:Wheat
Start	2437	End	2802
GI	none	Score	179
Exons	2437..2802		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o4.ts	Method	TBLASTX:Soybean
Start	2823	End	3051
GI	none	Score	186
Exons	2823..2909, 2824..3051		

Seq. No.	32840	Seq. ID	OJ991208_11.0211.C8
Gene No.	68100	Strand	+
Start	4	End	3177
Name	OJ991208_11.0211.C8.o1.tw	Method	TBLASTX:Wheat
Start	2833	End	3174
GI	none	Score	350
Exons	2833..3174, 2841..2915, 2997..3161		

Seq. No.	32841	Seq. ID	OJ991208_11.0211.C9
Gene No.	68101	Strand	+
Start	1185	End	1360
Name	OJ991208_11.0211.C9.o1.gs	Method	GENSCAN
Start	1185	End	1360
GI	none	Score	.6

Exons	1185..1360		
Seq. No.	32841	Seq. ID	OJ991208_11.0211.C9
Gene No.	68102	Strand	+
Start	5561	End	7709
Name	OJ991208_11.0211.C9.o3.gs	Method	GENSCAN
Start	5561	End	7709
GI	none	Score	.54
Exons	5561..5651, 5711..5900, 6273..6537, 7123..7282, 7639..7709		
Seq. No.	32841	Seq. ID	OJ991208_11.0211.C9
Gene No.	68103	Strand	+
Start	8660	End	10121
Name	OJ991208_11.0211.C9.o4.gs	Method	GENSCAN
Start	8660	End	10121
GI	none	Score	.77
Exons	8660..8731, 9800..9951, 9956..9974, 10044..10121		
Seq. No.	32841	Seq. ID	OJ991208_11.0211.C9
Gene No.	68104	Strand	-
Start	2264	End	4112
Name	OJ991208_11.0211.C9.o2.gs	Method	GENSCAN
Start	2264	End	4112
GI	none	Score	.53
Exons	2264..3135, 3245..3434, 3528..4112		
Seq. No.	32841	Seq. ID	OJ991208_11.0211.C9
Gene No.	68105	Strand	-
Start	11438	End	12111
Name	OJ991208_11.0211.C9.o5.gs	Method	GENSCAN
Start	11438	End	12111
GI	none	Score	.49
Exons	11438..11526, 12018..12111		
Seq. No.	32842	Seq. ID	OJ991208_11.0211.C10
Gene No.	68106	Strand	+
Start	1119	End	1540
Name	OJ991208_11.0211.C10.o1.np	Method	AAT/NAP
Start	1119	End	1540
GI	4539291	Score	400
Exons	1119..1540		
GI Descrip.	(AL049480) putative protein [Arabidopsis thaliana]		
Seq. No.	32842	Seq. ID	OJ991208_11.0211.C10
Gene No.	68107	Strand	+
Start	9641	End	10945
Name	OJ991208_11.0211.C10.o1.tc	Method	TBLASTX:Cress
Start	1107	End	1466
GI	none	Score	274
Exons	1107..1352, 1118..1171, 1190..1354, 1335..1466		
Seq. No.	32842	Seq. ID	OJ991208_11.0211.C10
Gene No.	68107	Strand	+
Start	9641	End	10945
Name	OJ991208_11.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	1113	End	1562
GI	none	Score	372

Exons	1113..1355, 1118..1354, 1316..1519, 1335..1562		
Seq. No.	32842	Seq. ID	OJ991208_11.0211.C10
Gene No.	68107	Strand	+
Start	9641	End	10945
Name	OJ991208_11.0211.C10.o2.ts	Method	TBLASTX:Soybean
Start	1113	End	1352
GI	none	Score	281
Exons	1113..1352, 1118..1351		
Seq. No.	32842	Seq. ID	OJ991208_11.0211.C10
Gene No.	68107	Strand	+
Start	9641	End	10945
Name	OJ991208_11.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	7211	End	7505
GI	none	Score	379
Exons	7211..7501, 7212..7505		
Seq. No.	32842	Seq. ID	OJ991208_11.0211.C10
Gene No.	68107	Strand	+
Start	9641	End	10945
Name	OJ991208_11.0211.C10.o2.tc	Method	TBLASTX:Cress
Start	7311	End	7697
GI	none	Score	262
Exons	7311..7553, 7331..7522, 7470..7667, 7590..7697		
Seq. No.	32842	Seq. ID	OJ991208_11.0211.C10
Gene No.	68107	Strand	+
Start	9641	End	10945
Name	OJ991208_11.0211.C10.o3.ts	Method	TBLASTX:Soybean
Start	7617	End	7991
GI	none	Score	77
Exons	7617..7670, 7619..7855, 7728..7853, 7872..7991, 7889..7942		
Seq. No.	32842	Seq. ID	OJ991208_11.0211.C10
Gene No.	68107	Strand	+
Start	9641	End	10945
Name	OJ991208_11.0211.C10.o2.gs	Method	GENSCAN
Start	9641	End	10945
GI	none	Score	.63
Exons	9641..9873, 9968..10112, 10759..10945		
Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68108	Strand	+
Start	1804	End	2642
Name	OJ991208_11.0211.C11.o1.gs	Method	GENSCAN
Start	1804	End	2642
GI	none	Score	.9
Exons	1804..1845, 2538..2642		
Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68109	Strand	+
Start	3523	End	4429
Name	OJ991208_11.0211.C11.o1.np	Method	AAT/NAP
Start	3523	End	4429
GI	5430771	Score	308
Exons	3523..4429		

GI Descrip. (AC007504) Unknown Protein [Arabidopsis thaliana]

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68110	Strand	+
Start	8015	End	9236
Name	OJ991208_11.0211.C11.o2.np	Method	AAT/NAP
Start	8015	End	9076
GI	5903071	Score	938
Exons	8015..8214, 8242..9076		

GI Descrip. (AC008017) Unknown protein [Arabidopsis thaliana]

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68110	Strand	+
Start	8015	End	9236
Name	OJ991208_11.0211.C11.o1.gp	Method	AAT/GAP
Start	8921	End	9236
GI	3759857	Score	591
Exons	8921..9236		

GI Descrip. 5903071/gb|AAD55629.1|AC008017_2 2.0e-15 (AC008017) Unknown protein [Arabidopsis thaliana]

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68111	Strand	-
Start	3430	End	4419
Name	OJ991208_11.0211.C11.o2.gs	Method	GENSCAN
Start	3430	End	4419
GI	none	Score	.79
Exons	3430..4419		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o2.ts	Method	TBLASTX:Soybean
Start	3535	End	3819
GI	none	Score	272
Exons	3535..3819, 3537..3800		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o2.tc	Method	TBLASTX:Cress
Start	3622	End	4005
GI	none	Score	154
Exons	3622..3819, 3642..3812, 3883..4005, 3900..3968		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o3.ts	Method	TBLASTX:Soybean
Start	3892	End	4152
GI	none	Score	242
Exons	3892..4152, 3906..4142		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o3.tm	Method	TBLASTX:Maize

Start	7927	End	8365
GI	none	Score	170
Exons	7927..7968, 8042..8185, 8092..8184, 8251..8355, 8252..8365		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o1.ts	Method	TBLASTX:Soybean
Start	8069	End	8902
GI	none	Score	149
Exons	8069..8185, 8252..8359, 8467..8514, 8468..8512, 8528..8683, 8539..8658, 8564..8677, 8765..8899, 8837..8902		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o4.tc	Method	TBLASTX:Cress
Start	8069	End	8647
GI	none	Score	140
Exons	8069..8185, 8252..8359, 8537..8647		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o4.tm	Method	TBLASTX:Maize
Start	8365	End	8674
GI	none	Score	74
Exons	8365..8505, 8366..8509, 8545..8670, 8549..8674		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o2.tm	Method	TBLASTX:Maize
Start	8740	End	9022
GI	none	Score	180
Exons	8740..8889, 8747..8923, 8749..8883, 8891..9022, 8894..8962, 8955..9017		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o1.tc	Method	TBLASTX:Cress
Start	8794	End	9058
GI	none	Score	81
Exons	8794..8886, 8837..8887, 8903..9058, 8980..9048		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o5.ts	Method	TBLASTX:Soybean
Start	8903	End	9088
GI	none	Score	222
Exons	8903..9088, 8980..9045		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052

Name	OJ991208_11.0211.C11.o3.tc	Method	TBLASTX:Cress
Start	11827	End	15671
GI	none	Score	117
Exons	11827..11907, 11831..11908, 11834..11917, 12122..12271, 12130..12249, 12272..12388, 12322..12390, 12720..12797, 15577..15669, 15585..15671		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o4.ts	Method	TBLASTX:Soybean
Start	11833	End	15626
GI	none	Score	35
Exons	11833..11907, 12643..12696, 12645..12812, 12657..12791, 12751..12795, 15585..15626		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o1.tm	Method	TBLASTX:Maize
Start	11864	End	15683
GI	none	Score	73
Exons	11864..11908, 11866..11907, 12122..12316, 12130..12318, 12130..12282, 12147..12329, 12317..12382, 12322..12390, 12484..12555, 12651..12770, 12657..12773, 15585..15683		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o2.gp	Method	AAT/GAP
Start	11868	End	12241
GI	287014	Score	698
Exons	11868..12241		
GI Descrip.	3608128 1.0e-08 (AC005314) hypothetical protein [Arabidopsis thaliana] >gi_4263794_gb_AAD15454_ (AC006068) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o3.np	Method	AAT/NAP
Start	12127	End	16043
GI	3608128	Score	401
Exons	12127..12251, 12444..12556, 12608..12792, 15583..15861, 15960..16043		
GI Descrip.	(AC005314) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32843	Seq. ID	OJ991208_11.0211.C11
Gene No.	68112	Strand	-
Start	11868	End	16052
Name	OJ991208_11.0211.C11.o5.gs	Method	GENSCAN
Start	15534	End	16052
GI	none	Score	.58
Exons	15534..16052		

Seq. No.	32844	Seq. ID	OJ991208_11.0211.C12
Gene No.	68113	Strand	+

Start	630	End	7667
Name	OJ991208_11.0211.C12.o1.np	Method	AAT/NAP
Start	630	End	7667
GI	6324335	Score	349
Exons	630..651, 3763..3884, 5956..6198, 6317..6586, 7639..7667		
GI Descrip.	Lro1p gi|732207|sp|P40345|YN84_YEAST HYPOTHETICAL 75.4 KD PROTEIN IN AUT1-CSE2 INTERGENIC REGION gi|626466|pir||S45131 probable membrane protein YNR008w - yeast (Saccharomyces cerevisiae) gi|496725|emb|CAA54576| (X77395) N2042 [Saccharomyces cerevisiae] gi|1302482|emb|CAA96285| (Z71623) ORF YNR008w [Saccharomyces cerevisiae]		

Seq. No.	32844	Seq. ID	OJ991208_11.0211.C12
Gene No.	68113	Strand	+
Start	630	End	7667
Name	OJ991208_11.0211.C12.o1.gs	Method	GENSCAN
Start	714	End	7169
GI	none	Score	.71
Exons	714..800, 912..1080, 1193..1346, 1491..1590, 1761..1845, 3089..3213, 3327..3898, 5179..5235, 5976..6198, 7116..7169		

Seq. No.	32844	Seq. ID	OJ991208_11.0211.C12
Gene No.	68113	Strand	+
Start	630	End	7667
Name	OJ991208_11.0211.C12.o1.tm	Method	TBLASTX:Maize
Start	3581	End	6601
GI	none	Score	582
Exons	3581..3898, 3582..3899, 3836..3904, 5973..6200, 5974..6201, 5982..6203, 6305..6574, 6309..6572, 6314..6583, 6564..6599, 6565..6600, 6566..6601		

Seq. No.	32844	Seq. ID	OJ991208_11.0211.C12
Gene No.	68113	Strand	+
Start	630	End	7667
Name	OJ991208_11.0211.C12.o1.tc	Method	TBLASTX:Cress
Start	3591	End	3899
GI	none	Score	214
Exons	3591..3734, 3593..3733, 3710..3754, 3711..3755, 3734..3898, 3735..3899		

Seq. No.	32844	Seq. ID	OJ991208_11.0211.C12
Gene No.	68113	Strand	+
Start	630	End	7667
Name	OJ991208_11.0211.C12.o2.ts	Method	TBLASTX:Soybean
Start	3657	End	6135
GI	none	Score	75
Exons	3657..3788, 3686..3898, 3687..3899, 5948..6055, 5973..6134, 5973..6134, 5974..6135, 5977..6135		

Seq. No.	32844	Seq. ID	OJ991208_11.0211.C12
Gene No.	68113	Strand	+
Start	630	End	7667
Name	OJ991208_11.0211.C12.o1.ts	Method	TBLASTX:Soybean
Start	6160	End	6614
GI	none	Score	71
Exons	6160..6201, 6161..6199, 6309..6491, 6314..6517, 6316..6453, 6509..6601, 6517..6600, 6522..6614		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68114	Strand	+
Start	1	End	1771
Name	OJ991208_11.0211.C13.o1.np	Method	AAT/NAP
Start	1	End	1768
GI	6324335	Score	106
Exons	1..36, 998..1028, 1290..1423, 1452..1768		
GI Descrip.	Lrolp gi|732207|sp|P40345|YN84_YEAST HYPOTHETICAL 75.4 KD PROTEIN IN AUT1-CSE2 INTERGENIC REGION gi|626466|pir||S45131 probable membrane protein YNR008w - yeast (Saccharomyces cerevisiae) gi|496725|emb|CAA54576| (X77395) N2042 [Saccharomyces cerevisiae] gi|1302482|emb|CAA96285| (Z71623) ORF YNR008w [Saccharomyces cerevisiae]		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68114	Strand	+
Start	1	End	1771
Name	OJ991208_11.0211.C13.o1.gs	Method	GENSCAN
Start	898	End	1771
GI	none	Score	.61
Exons	898..1028, 1290..1423, 1503..1771		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68114	Strand	+
Start	1	End	1771
Name	OJ991208_11.0211.C13.o1.gp	Method	AAT/GAP
Start	933	End	1468
GI	LIB3475-011-P1-K1-C9	Score	485
Exons	933..1028, 1290..1468		
GI Descrip.	'732207/sp|P40345|YN84_YEAST 1.0e-10 HYPOTHETICAL 75.4 KD PROTEIN IN AUT1-CSE2 INTERGENIC REGION >gi_626466_pir__S45131 probable membrane protein YNR008w - yeast (Saccharomyces cerevisiae) >gi_496725_emb_CAA54576_ (X77395) N2042 [Saccharomyces cerevisiae] >gi_1302482_emb_CAA96285_ (Z71623) ORF YNR008w [Saccharomyces cerevisiae]'		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68115	Strand	+
Start	20201	End	24004
Name	OJ991208_11.0211.C13.o2.np	Method	AAT/NAP
Start	20201	End	24004
GI	6630696	Score	6536
Exons	20201..24004		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68115	Strand	+
Start	20201	End	24004
Name	OJ991208_11.0211.C13.o2.gp	Method	AAT/GAP
Start	20243	End	21133
GI	101595_1.R1084	Score	1423
Exons	20243..20943, 21059..21133		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68116	Strand	+
Start	33830	End	36163
Name	OJ991208_11.0211.C13.o10.gs	Method	GENSCAN
Start	33830	End	35300
GI	none	Score	.99
Exons	33830..34769, 34898..35040, 35127..35300		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68116	Strand	+
Start	33830	End	36163
Name	OJ991208_11.0211.C13.o3.np	Method	AAT/NAP
Start	34198	End	36163
GI	322577	Score	280
Exons	34198..34542, 34585..34769, 34898..35035, 35131..35296, 36139..36163		
GI Descrip.	Raf protein kinase homolog CTR1 - Arabidopsis thaliana		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68117	Strand	+
Start	36347	End	39124
Name	OJ991208_11.0211.C13.o4.np	Method	AAT/NAP
Start	36347	End	39124
GI	4803958	Score	400
Exons	36347..36535, 38103..38192, 38894..39124		
GI Descrip.	(AC006202) unknown protein [Arabidopsis thaliana]		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68118	Strand	-
Start	3764	End	5601
Name	OJ991208_11.0211.C13.o2.gs	Method	GENSCAN
Start	3764	End	5601
GI	none	Score	.7
Exons	3764..3868, 4458..4602, 5471..5601		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68119	Strand	-
Start	16759	End	17593
Name	OJ991208_11.0211.C13.o5.gs	Method	GENSCAN
Start	16759	End	17593
GI	none	Score	.76
Exons	16759..16924, 17313..17593		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68120	Strand	-
Start	24809	End	25332
Name	OJ991208_11.0211.C13.o7.gs	Method	GENSCAN
Start	24809	End	25332
GI	none	Score	.4
Exons	24809..24994, 25042..25332		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68121	Strand	-
Start	27302	End	28318
Name	OJ991208_11.0211.C13.o8.gs	Method	GENSCAN
Start	27302	End	28318

GI	none	Score	.92
Exons	27302..28318		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68122	Strand	-
Start	30782	End	31702
Name	OJ991208_11.0211.C13.o9.gs	Method	GENSCAN
Start	30782	End	31702
GI	none	Score	.87
Exons	30782..30889, 31664..31702		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o1.tm	Method	TBLASTX:Maize
Start	17	End	1961
GI	none	Score	158
Exons	17..127, 18..137, 27..143, 28..150, 751..855, 759..854, 764..856, 764..856, 900..1028, 902..1048, 903..1028, 904..1029, 1019..1069, 1234..1437, 1275..1439, 1292..1453, 1292..1444, 1297..1452, 1400..1537, 1426..1545, 1441..1548, 1506..1628, 1516..1572, 1531..1632, 1539..1631, 1577..1657, 1610..1771, 1631..1765, 1635..1817, 1932..1961		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o5.ts	Method	TBLASTX:Soybean
Start	44	End	1032
GI	none	Score	94
Exons	44..133, 45..137, 794..856, 882..923, 900..1028, 901..1032, 904..1026		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o2.ts	Method	TBLASTX:Soybean
Start	1378	End	1771
GI	none	Score	72
Exons	1378..1434, 1380..1433, 1438..1536, 1439..1537, 1442..1540, 1506..1628, 1530..1631, 1531..1632, 1583..1657, 1610..1771, 1631..1756, 1720..1761		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o1.tc	Method	TBLASTX:Cress
Start	1438	End	1771
GI	none	Score	124
Exons	1438..1536, 1439..1537, 1439..1540, 1530..1577, 1536..1574, 1578..1628, 1607..1762, 1610..1771		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o4.tw	Method	TBLASTX:Wheat
Start	20095	End	20492

GI	none	Score	127
Exons	20095..20193, 20096..20230, 20207..20491, 20281..20472, 20310..20492		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o6.tm	Method	TBLASTX:Maize
Start	20243	End	20551
GI	none	Score	318
Exons	20243..20551, 20290..20472, 20343..20486, 20372..20548		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o3.tm	Method	TBLASTX:Maize
Start	21074	End	21412
GI	none	Score	391
Exons	21074..21346, 21075..21347, 21075..21347, 21076..21348, 21076..21348, 21377..21412, 21380..21412		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o8.ts	Method	TBLASTX:Soybean
Start	21392	End	21772
GI	none	Score	86
Exons	21392..21541, 21524..21772		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o7.tm	Method	TBLASTX:Maize
Start	21530	End	21994
GI	none	Score	306
Exons	21530..21994, 21769..21987		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o5.tw	Method	TBLASTX:Wheat
Start	21637	End	21829
GI	none	Score	266
Exons	21637..21828, 21638..21829, 21638..21829		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o3.ts	Method	TBLASTX:Soybean
Start	21782	End	22180
GI	none	Score	199
Exons	21782..22003, 21784..21999, 22007..22180		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o1.tw	Method	TBLASTX:Wheat

Start	21830	End	22585
GI	none	Score	943
Exons	21830..22585, 21838..22335, 22104..22580, 22403..22585		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o1.ts	Method	TBLASTX:Soybean
Start	22505	End	22969
GI	5509260	Score	385
Exons	22505..22969, 22600..22761		
GI Descrip.	-		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o2.tc	Method	TBLASTX:Cress
Start	22598	End	22858
GI	none	Score	291
Exons	22598..22858, 22600..22770		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o3.tw	Method	TBLASTX:Wheat
Start	22640	End	23185
GI	none	Score	314
Exons	22640..22984, 22979..23185		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o4.tm	Method	TBLASTX:Maize
Start	22640	End	23104
GI	none	Score	357
Exons	22640..23104, 22653..22712, 22775..22855, 22891..23001		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o6.ts	Method	TBLASTX:Soybean
Start	23038	End	23386
GI	none	Score	141
Exons	23038..23202, 23039..23197, 23197..23370, 23198..23386		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o5.tm	Method	TBLASTX:Maize
Start	23165	End	23536
GI	none	Score	334
Exons	23165..23536, 23188..23535		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o2.tw	Method	TBLASTX:Wheat

Start	23393	End	23868
GI	none	Score	91
Exons	23393..23467, 23394..23453, 23398..23466, 23482..23868, 23483..23866		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o7.ts	Method	TBLASTX:Soybean
Start	23399	End	23740
GI	none	Score	84
Exons	23399..23512, 23531..23740, 23536..23661		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o6.tw	Method	TBLASTX:Wheat
Start	24192	End	24448
GI	none	Score	76
Exons	24192..24275, 24215..24280, 24216..24281, 24217..24282, 24224..24283, 24296..24358, 24297..24362, 24303..24362, 24304..24363, 24329..24448, 24370..24444, 24371..24445		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o4.tc	Method	TBLASTX:Cress
Start	34211	End	35282
GI	none	Score	96
Exons	34211..34333, 34234..34335, 34364..34483, 34595..34729, 34896..35012, 34897..35013, 35205..35282		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o9.tm	Method	TBLASTX:Maize
Start	34211	End	34720
GI	none	Score	98
Exons	34211..34327, 34364..34483, 34595..34720		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o11.gs	Method	GENSCAN
Start	36005	End	39285
GI	none	Score	.77
Exons	36005..36504, 38072..38171, 39274..39285		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o2.tm	Method	TBLASTX:Maize
Start	36050	End	36531
GI	none	Score	35
Exons	36050..36082, 36063..36083, 36178..36303, 36179..36322, 36362..36529, 36362..36529, 36424..36531		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o3.tc	Method	TBLASTX:Cress
Start	36155	End	36535
GI	none	Score	158
Exons	36155..36322, 36184..36285, 36374..36535		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o4.ts	Method	TBLASTX:Soybean
Start	36167	End	39112
GI	none	Score	154
Exons	36167..36322, 36184..36303, 36374..36535, 36386..36544, 38091..38195, 38094..38204, 38888..39112, 38896..39099		

Seq. No.	32845	Seq. ID	OJ991208_11.0211.C13
Gene No.	68123	Strand	-
Start	36005	End	39285
Name	OJ991208_11.0211.C13.o8.tm	Method	TBLASTX:Maize
Start	38096	End	39066
GI	none	Score	134
Exons	38096..38194, 38097..38195, 38100..38201, 38889..39050, 38892..39050, 38894..39064, 38896..39066		

Seq. No.	32846	Seq. ID	OJ991208_11.0211.C14
Gene No.	68124	Strand	+
Start	1283	End	2021
Name	OJ991208_11.0211.C14.o1.np	Method	AAT/NAP
Start	1283	End	2021
GI	4680186	Score	52
Exons	1283..1421, 1928..2021		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32846	Seq. ID	OJ991208_11.0211.C14
Gene No.	68125	Strand	-
Start	669	End	761
Name	OJ991208_11.0211.C14.o1.gs	Method	GENSCAN
Start	669	End	761
GI	none	Score	.41
Exons	669..761		

Seq. No.	32847	Seq. ID	OJ991028_13.0204.C2
Gene No.	68126	Strand	+
Start	968	End	5027
Name	OJ991028_13.0204.C2.o1.gs	Method	GENSCAN
Start	968	End	4586
GI	none	Score	.65
Exons	968..1017, 3210..3332, 4388..4586		

Seq. No.	32847	Seq. ID	OJ991028_13.0204.C2
Gene No.	68126	Strand	+
Start	968	End	5027
Name	OJ991028_13.0204.C2.o1.np	Method	AAT/NAP
Start	3527	End	5027
GI	5042463	Score	159

Exons	3527..3746, 4410..4541, 4593..4678, 4734..5027		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	32848	Seq. ID	OJ991028_13.0204.C4
Gene No.	68127	Strand	+
Start	31	End	2056
Name	OJ991028_13.0204.C4.o1.gs	Method	GENSCAN
Start	31	End	2056
GI	none	Score	.54
Exons	31..86, 1999..2056		
Seq. No.	32848	Seq. ID	OJ991028_13.0204.C4
Gene No.	68128	Strand	-
Start	3039	End	3410
Name	OJ991028_13.0204.C4.o1.gp	Method	AAT/GAP
Start	3039	End	3410
GI	32880_1.R1084	Score	713
Exons	3039..3410		
GI Descrip.	'4337175/gb|AAD18096| 3.0e-23 (AC006416) ESTs gb_T20589, gb_T04648, gb_AA597906, gb_T04111, gb_R84180, gb_R65428, gb_T44439, gb_T76570, gb_R90004, gb_T45020, gb_T42457, gb_T20921, gb_AA042762 and gb_AA720210 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	32849	Seq. ID	OJ991028_13.0204.C7
Gene No.	68129	Strand	+
Start	1	End	1612
Name	OJ991028_13.0204.C7.o1.np	Method	AAT/NAP
Start	1	End	1612
GI	1002796	Score	308
Exons	1..115, 735..879, 1459..1612		
GI Descrip.	(U33915) Cpm10 [Craterostigma plantagineum]		
Seq. No.	32849	Seq. ID	OJ991028_13.0204.C7
Gene No.	68129	Strand	+
Start	1	End	1612
Name	OJ991028_13.0204.C7.o1.tc	Method	TBLASTX:Cress
Start	4	End	859
GI	none	Score	149
Exons	4..117, 9..125, 700..834, 733..858, 734..859		
Seq. No.	32849	Seq. ID	OJ991028_13.0204.C7
Gene No.	68129	Strand	+
Start	1	End	1612
Name	OJ991028_13.0204.C7.o1.tm	Method	TBLASTX:Maize
Start	12	End	859
GI	none	Score	170
Exons	12..125, 13..117, 731..856, 733..852, 737..859		
Seq. No.	32849	Seq. ID	OJ991028_13.0204.C7
Gene No.	68129	Strand	+
Start	1	End	1612
Name	OJ991028_13.0204.C7.o1.ts	Method	TBLASTX:Soybean
Start	16	End	859
GI	none	Score	114
Exons	16..117, 24..125, 728..859, 730..858		

Seq. No.	32849	Seq. ID	OJ991028_13.0204.C7
Gene No.	68129	Strand	+
Start	1	End	1612
Name	OJ991028_13.0204.C7.o1.gs	Method	GENSCAN
Start	41	End	115
GI	none	Score	.67
Exons	41..115		

Seq. No.	32849	Seq. ID	OJ991028_13.0204.C7
Gene No.	68129	Strand	+
Start	1	End	1612
Name	OJ991028_13.0204.C7.o1.gp	Method	AAT/GAP
Start	735	End	834
GI	uC-osflcyp029f12b1	Score	163
Exons	735..834		
GI Descrip.	'1002796 2.0e-25 (U33915) Cpm10 [Craterostigma plantagineum]'		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68130	Strand	+
Start	2367	End	2662
Name	OJ991028_13.0204.C8.o2.gs	Method	GENSCAN
Start	2367	End	2662
GI	none	Score	.78
Exons	2367..2414, 2444..2662		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68131	Strand	+
Start	7975	End	9261
Name	OJ991028_13.0204.C8.o4.gs	Method	GENSCAN
Start	7975	End	9258
GI	none	Score	.99
Exons	7975..9258		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68131	Strand	+
Start	7975	End	9261
Name	OJ991028_13.0204.C8.o1.gp	Method	AAT/GAP
Start	7987	End	8500
GI	none	Score	966
Exons	7987..8500		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68131	Strand	+
Start	7975	End	9261
Name	OJ991028_13.0204.C8.o1.np	Method	AAT/NAP
Start	8147	End	9261
GI	6358800	Score	516
Exons	8147..8301, 8368..9261		
GI Descrip.	(AC010675) putative pectin methylesterase [Arabidopsis thaliana]		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68132	Strand	+
Start	9205	End	10125
Name	OJ991028_13.0204.C8.o2.gp	Method	AAT/GAP
Start	9205	End	10125
GI	none	Score	996
Exons	9205..9254, 9621..10125		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68133	Strand	+
Start	12206	End	14348
Name	OJ991028_13.0204.C8.o3.gp	Method	AAT/GAP
Start	12150	End	14281
GI	29679_1.R1084	Score	3414
Exons	12150..13401, 13723..14281		
GI Descrip.	'4415916/gb|AAD20147| 4.0e-25 (AC006282) putative pectin methylesterase [Arabidopsis thaliana]'		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68133	Strand	+
Start	12206	End	14348
Name	OJ991028_13.0204.C8.o6.gs	Method	GENSCAN
Start	12206	End	14348
GI	none	Score	.95
Exons	12206..13401, 13663..13868, 13870..14000, 14223..14348		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68134	Strand	+
Start	15419	End	18793
Name	OJ991028_13.0204.C8.o7.gs	Method	GENSCAN
Start	15419	End	18780
GI	none	Score	.78
Exons	15419..15614, 16096..16447, 16770..16908, 17018..17184, 17282..17503, 17627..17798, 17870..18103, 18192..18341, 18651..18780		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68134	Strand	+
Start	15419	End	18793
Name	OJ991028_13.0204.C8.o2.np	Method	AAT/NAP
Start	15446	End	18793
GI	6685165	Score	1623
Exons	15446..15598, 16098..16190, 16278..16447, 16770..16908, 17018..17184, 17282..17504, 17631..17798, 17870..18103, 18192..18341, 18651..18793		
GI Descrip.	(AF219380) beta-glucosidase [Arabidopsis thaliana]		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68135	Strand	-
Start	5793	End	6901
Name	OJ991028_13.0204.C8.o3.gs	Method	GENSCAN
Start	5793	End	6901
GI	none	Score	.54
Exons	5793..6422, 6541..6629, 6817..6901		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68136	Strand	
Start	8206	End	13401
Name	OJ991028_13.0204.C8.o1.tm	Method	TBLASTX:Maize
Start	8206	End	13254
GI	none	Score	41
Exons	8206..8232, 8245..8352, 8374..8457, 8386..8976, 8403..8978, 8979..9110, 8980..9108, 12331..12366, 12389..12520, 12391..12498, 12503..13120, 12547..13119, 12823..13146,		

13123..13254, 13124..13252

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68136	Strand	
Start	8206	End	13401
Name	OJ991028_13.0204.C8.o1.tw	Method	TBLASTX:Wheat
Start	8281	End	13241
GI	none	Score	69
Exons	8281..8352, 8386..8448, 8403..8450, 8451..8981, 8452..8982, 12403..12495, 12425..12538, 12503..12592, 12547..12594, 12595..13125, 12596..13126, 13128..13181, 13185..13241		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68136	Strand	
Start	8206	End	13401
Name	OJ991028_13.0204.C8.o1.tc	Method	TBLASTX:Cress
Start	8284	End	13401
GI	none	Score	41
Exons	8284..8352, 8400..8429, 8452..8562, 8484..8573, 8580..8735, 8581..8745, 8734..8904, 8748..8858, 8938..8982, 8979..9104, 8980..9072, 9124..9252, 9126..9266, 12428..12496, 12500..12592, 12596..12706, 12724..12879, 12725..12889, 12878..13048, 12892..12990, 13082..13126, 13123..13248, 13124..13216, 13268..13387, 13270..13401		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68136	Strand	
Start	8206	End	13401
Name	OJ991028_13.0204.C8.o2.ts	Method	TBLASTX:Soybean
Start	8461	End	13048
GI	none	Score	49
Exons	8461..8559, 8572..8904, 8574..8858, 12716..13048, 12718..13002		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68137	Strand	
Start	16090	End	16378
Name	OJ991028_13.0204.C8.o3.ts	Method	TBLASTX:Soybean
Start	16090	End	16378
GI	none	Score	73
Exons	16090..16272, 16094..16177, 16098..16271, 16111..16272, 16319..16378, 16320..16367		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68137	Strand	
Start	16090	End	16378
Name	OJ991028_13.0204.C8.o2.tm	Method	TBLASTX:Maize
Start	16092	End	16366
GI	none	Score	243
Exons	16092..16283, 16092..16271, 16266..16364, 16319..16366		

Seq. No.	32850	Seq. ID	OJ991028_13.0204.C8
Gene No.	68138	Strand	
Start	17654	End	18783
Name	OJ991028_13.0204.C8.o1.ts	Method	TBLASTX:Soybean
Start	17654	End	18783
GI	none	Score	204
Exons	17654..17800, 17655..17798, 17658..17801, 17866..18102,		

17867..18103, 17868..18104, 17894..18103, 17895..18119,
18191..18340, 18192..18344, 18648..18782, 18648..18782,
18697..18783

Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68139	Strand	-
Start	514	End	7447
Name	OJ991028_13.0204.C10.o1.gs	Method	GENSCAN
Start	514	End	7447
GI	none	Score	.78
Exons	514..642, 659..800, 989..1056, 1819..1927, 2360..2389, 4891..5041, 5131..5256, 6130..6228, 6532..6625, 6631..7447		

Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68139	Strand	-
Start	514	End	7447
Name	OJ991028_13.0204.C10.o2.np	Method	AAT/NAP
Start	4420	End	6797
GI	2735017	Score	848
Exons	4420..4719, 4891..5041, 5131..5368, 5473..5683, 5875..5992, 6642..6797		
GI Descrip.	(U82481) KI domain interacting kinase 1 [Zea mays]		

Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68139	Strand	-
Start	514	End	7447
Name	OJ991028_13.0204.C10.o3.np	Method	AAT/NAP
Start	5219	End	7413
GI	3021275	Score	460
Exons	5219..5379, 5408..5683, 5875..6020, 6130..6219, 6535..6797, 6830..6973, 7025..7413		
GI Descrip.	(AL022347) putative protein [Arabidopsis thaliana]		

Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68140	Strand	-
Start	9177	End	15983
Name	OJ991028_13.0204.C10.o2.gs	Method	GENSCAN
Start	9177	End	15983
GI	none	Score	.5
Exons	9177..9545, 9658..9773, 11656..12646, 13890..14064, 15766..15983		

Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68140	Strand	-
Start	9177	End	15983
Name	OJ991028_13.0204.C10.o4.np	Method	AAT/NAP
Start	10453	End	13857
GI	4680338	Score	475
Exons	10453..10490, 11577..11851, 11882..12328, 12359..12646, 13811..13857		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68141	Strand	-
Start	17346	End	24119
Name	OJ991028_13.0204.C10.o1.tc	Method	TBLASTX:Cress
Start	4478	End	5979
GI	none	Score	118

Exons	4478..4684, 4507..4719, 4912..5037, 4940..5029, 5133..5369, 5134..5346, 5194..5370, 5474..5683, 5475..5684, 5875..5979		
Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68141	Strand	-
Start	17346	End	24119
Name	OJ991028_13.0204.C10.o1.tm	Method	TBLASTX:Maize
Start	4495	End	5986
GI	none	Score	71
Exons	4495..4569, 4549..4719, 4550..4645, 4891..5067, 4946..5068, 5124..5357, 5131..5370, 5133..5384, 5474..5683, 5481..5684, 5875..5985, 5876..5986		
Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68141	Strand	-
Start	17346	End	24119
Name	OJ991028_13.0204.C10.o1.ts	Method	TBLASTX:Soybean
Start	4507	End	5961
GI	none	Score	71
Exons	4507..4719, 4508..4651, 4672..4722, 4891..5040, 4940..5041, 5112..5273, 5133..5369, 5134..5346, 5474..5683, 5481..5684, 5875..5961		
Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68141	Strand	-
Start	17346	End	24119
Name	OJ991028_13.0204.C10.o1.tw	Method	TBLASTX:Wheat
Start	5020	End	5559
GI	none	Score	210
Exons	5020..5040, 5127..5369, 5128..5370, 5139..5369, 5430..5552, 5470..5559, 5474..5551, 5478..5558		
Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68141	Strand	-
Start	17346	End	24119
Name	OJ991028_13.0204.C10.o2.ts	Method	TBLASTX:Soybean
Start	11684	End	12016
GI	none	Score	129
Exons	11684..11755, 11753..11836, 11900..12016		
Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68141	Strand	-
Start	17346	End	24119
Name	OJ991028_13.0204.C10.o3.tm	Method	TBLASTX:Maize
Start	11684	End	12515
GI	none	Score	67
Exons	11684..11746, 11753..11836, 11876..12028, 12377..12514, 12423..12515		
Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68141	Strand	-
Start	17346	End	24119
Name	OJ991028_13.0204.C10.o5.np	Method	AAT/NAP
Start	17273	End	24119
GI	1628482	Score	617
Exons	17273..18810, 19082..19468, 20564..20751, 21175..21434, 21469..22444, 24036..24119		

GI Descrip. (X97570) embryogenesis transmembrane protein [Zea mays]

Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68141	Strand	-
Start	17346	End	24119
Name	OJ991028_13.0204.C10.o3.gs	Method	GENSCAN
Start	17346	End	24069
GI	none	Score	.81
Exons	17346..18810, 21476..21811, 21898..22097, 22144..22536, 24010..24069		

Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68141	Strand	-
Start	17346	End	24119
Name	OJ991028_13.0204.C10.o2.tm	Method	TBLASTX:Maize
Start	17571	End	21888
GI	none	Score	72
Exons	17571..17699, 17574..17699, 17688..17759, 17982..18215, 17991..18242, 18231..18293, 18232..18300, 18242..18346, 18378..18482, 18391..18483, 18477..18521, 18522..18674, 18588..18689, 18699..18728, 18700..18753, 21818..21877, 21820..21888		

Seq. No.	32851	Seq. ID	OJ991028_13.0204.C10
Gene No.	68141	Strand	-
Start	17346	End	24119
Name	OJ991028_13.0204.C10.o2.tw	Method	TBLASTX:Wheat
Start	17989	End	22064
GI	none	Score	55
Exons	17989..18072, 17991..18086, 18384..18605, 18391..18591, 18396..18605, 21933..22064		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68142	Strand	+
Start	540	End	4667
Name	OJ991028_13.0204.C11.o1.np	Method	AAT/NAP
Start	540	End	4509
GI	3850823	Score	1636
Exons	540..871, 1053..1163, 1544..1605, 2643..2716, 2826..2867, 2950..3009, 3148..3767, 3879..4014, 4231..4298, 4375..4509		
GI Descrip.	(Y18351) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68142	Strand	+
Start	540	End	4667
Name	OJ991028_13.0204.C11.o1.gp	Method	AAT/GAP
Start	589	End	3180
GI	13029_1.R1084	Score	1184
Exons	589..871, 1059..1163, 1544..1620, 2652..2716, 2826..2867, 2950..3009, 3148..3180		
GI Descrip.	'3850823/emb|CAA77136| 4.0e-19 (Y18351) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]'		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68142	Strand	+
Start	540	End	4667

Name	OJ991028_13.0204.C11.o1.gs	Method	GENSCAN
Start	591	End	4512
GI	none	Score	.85
Exons	591..871, 1059..1163, 2652..2716, 2950..3009, 3148..3336, 3879..4014, 4231..4298, 4375..4512		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68142	Strand	+
Start	540	End	4667
Name	OJ991028_13.0204.C11.o2.gp	Method	AAT/GAP
Start	3931	End	4667
GI	uC-osflcyp152a05a1	Score	838
Exons	3931..4014, 4231..4298, 4375..4667		
GI Descrip.	'3850821/emb|CAA77135| 1.0e-33 (Y18350) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]'		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68143	Strand	+
Start	5069	End	5473
Name	OJ991028_13.0204.C11.o3.gp	Method	AAT/GAP
Start	5069	End	5473
GI	uC-osflcyp131e07a1	Score	798
Exons	5069..5473		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68144	Strand	+
Start	5565	End	11257
Name	OJ991028_13.0204.C11.o2.np	Method	AAT/NAP
Start	5565	End	11257
GI	5295971	Score	3591
Exons	5565..5592, 6990..7957, 7985..11257		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68144	Strand	+
Start	5565	End	11257
Name	OJ991028_13.0204.C11.o3.gs	Method	GENSCAN
Start	6595	End	11225
GI	none	Score	.73
Exons	6595..6600, 6869..11225		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68145	Strand	-
Start	5294	End	6361
Name	OJ991028_13.0204.C11.o1.tm	Method	TBLASTX:Maize
Start	786	End	4512
GI	none	Score	58
Exons	786..842, 838..870, 2657..2713, 2672..2710, 2822..2875, 2822..2866, 2947..3009, 2947..3009, 3125..3631, 3141..3650, 3145..3636, 3633..3734, 3635..3802, 3635..3736, 3637..3771, 3872..3937, 3875..4021, 3876..4019, 3876..4022, 3877..4020, 3992..4045, 4215..4313, 4229..4312, 4230..4313, 4371..4511, 4372..4512		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68145	Strand	-
Start	5294	End	6361
Name	OJ991028_13.0204.C11.o1.ts	Method	TBLASTX:Soybean
Start	2929	End	4301
GI	none	Score	113
Exons	2929..3009, 2949..3008, 3141..3647, 3144..3617, 3145..3636, 3616..3672, 3633..3728, 3638..3703, 3708..3734, 3710..3736, 3876..4016, 3876..4016, 4215..4301, 4229..4300		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68145	Strand	-
Start	5294	End	6361
Name	OJ991028_13.0204.C11.o1.tw	Method	TBLASTX:Wheat
Start	3162	End	3435
GI	none	Score	417
Exons	3162..3434, 3171..3434, 3172..3435		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68145	Strand	-
Start	5294	End	6361
Name	OJ991028_13.0204.C11.o2.tc	Method	TBLASTX:Cress
Start	3507	End	3736
GI	none	Score	74
Exons	3507..3626, 3508..3636, 3508..3618, 3510..3659, 3633..3734, 3638..3736		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68145	Strand	-
Start	5294	End	6361
Name	OJ991028_13.0204.C11.o5.tc	Method	TBLASTX:Cress
Start	3876	End	4554
GI	none	Score	91
Exons	3876..4013, 3891..4007, 4229..4312, 4230..4313, 4372..4521, 4372..4488, 4374..4499, 4522..4554		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68145	Strand	-
Start	5294	End	6361
Name	OJ991028_13.0204.C11.o2.gs	Method	GENSCAN
Start	5294	End	6361
GI	none	Score	.5
Exons	5294..6361		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68145	Strand	-
Start	5294	End	6361
Name	OJ991028_13.0204.C11.o9.tm	Method	TBLASTX:Maize
Start	5657	End	6064
GI	none	Score	163
Exons	5657..5743, 5804..6064		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68146	Strand	
Start	7208	End	7609
Name	OJ991028_13.0204.C11.o6.tw	Method	TBLASTX:Wheat

Start	7208	End	7558
GI	none	Score	201
Exons	7208..7558		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68146	Strand	
Start	7208	End	7609
Name	OJ991028_13.0204.C11.o8.tm	Method	TBLASTX:Maize
Start	7282	End	7609
GI	none	Score	210
Exons	7282..7608, 7283..7609		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68147	Strand	
Start	8039	End	8563
Name	OJ991028_13.0204.C11.o5.tm	Method	TBLASTX:Maize
Start	8039	End	8509
GI	none	Score	48
Exons	8039..8125, 8101..8508, 8102..8320, 8110..8331, 8354..8509		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68147	Strand	
Start	8039	End	8563
Name	OJ991028_13.0204.C11.o3.tw	Method	TBLASTX:Wheat
Start	8123	End	8563
GI	none	Score	286
Exons	8123..8488, 8137..8253, 8275..8403, 8489..8563		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68148	Strand	
Start	8513	End	9361
Name	OJ991028_13.0204.C11.o5.ts	Method	TBLASTX:Soybean
Start	8513	End	8788
GI	none	Score	197
Exons	8513..8788, 8609..8689		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68148	Strand	
Start	8513	End	9361
Name	OJ991028_13.0204.C11.o4.tw	Method	TBLASTX:Wheat
Start	8648	End	9208
GI	none	Score	93
Exons	8648..8788, 8846..9109, 8863..9072, 9118..9192, 9119..9208		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68148	Strand	
Start	8513	End	9361
Name	OJ991028_13.0204.C11.o3.tm	Method	TBLASTX:Maize
Start	8851	End	9280
GI	none	Score	400
Exons	8851..9075, 8855..9196, 8870..9139, 9118..9186, 9209..9280		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68148	Strand	
Start	8513	End	9361
Name	OJ991028_13.0204.C11.o4.ts	Method	TBLASTX:Soybean
Start	8882	End	9361

GI	none	Score	383
Exons	8882..9328, 8887..9177, 9173..9361		
Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68148	Strand	
Start	8513	End	9361
Name	OJ991028_13.0204.C11.o3.tc	Method	TBLASTX:Cress
Start	8897	End	9334
GI	none	Score	255
Exons	8897..9334		
Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68149	Strand	
Start	9677	End	10528
Name	OJ991028_13.0204.C11.o3.ts	Method	TBLASTX:Soybean
Start	9677	End	10201
GI	5509260	Score	454
Exons	9677..10201, 9796..10185		
GI Descrip.	-		
Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68149	Strand	
Start	9677	End	10528
Name	OJ991028_13.0204.C11.o4.tm	Method	TBLASTX:Maize
Start	9743	End	10063
GI	none	Score	418
Exons	9743..10063, 9802..10062		
Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68149	Strand	
Start	9677	End	10528
Name	OJ991028_13.0204.C11.o4.tc	Method	TBLASTX:Cress
Start	9841	End	10102
GI	none	Score	241
Exons	9841..10068, 9842..10102		
Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68149	Strand	
Start	9677	End	10528
Name	OJ991028_13.0204.C11.o2.tw	Method	TBLASTX:Wheat
Start	9883	End	10432
GI	none	Score	296
Exons	9883..10014, 9884..10228, 10039..10146, 10214..10432		
Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68149	Strand	
Start	9677	End	10528
Name	OJ991028_13.0204.C11.o6.tm	Method	TBLASTX:Maize
Start	10265	End	10528
GI	none	Score	293
Exons	10265..10528, 10265..10525, 10348..10527		
Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68150	Strand	
Start	10442	End	11241
Name	OJ991028_13.0204.C11.o7.tw	Method	TBLASTX:Wheat
Start	10442	End	10723

GI	none	Score	62
Exons	10442..10546, 10571..10723		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68150	Strand	
Start	10442	End	11241
Name	OJ991028_13.0204.C11.o2.tm	Method	TBLASTX:Maize
Start	10532	End	10981
GI	none	Score	273
Exons	10532..10768, 10540..10731, 10755..10961, 10766..10981, 10825..10980		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68150	Strand	
Start	10442	End	11241
Name	OJ991028_13.0204.C11.o1.tc	Method	TBLASTX:Cress
Start	10570	End	11230
GI	none	Score	152
Exons	10570..10704, 10571..10753, 10760..10864, 10862..10975, 11012..11230, 11020..11187		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68150	Strand	
Start	10442	End	11241
Name	OJ991028_13.0204.C11.o2.ts	Method	TBLASTX:Soybean
Start	10592	End	11241
GI	none	Score	456
Exons	10592..11233, 10846..11241		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68150	Strand	
Start	10442	End	11241
Name	OJ991028_13.0204.C11.o5.tw	Method	TBLASTX:Wheat
Start	10775	End	11200
GI	none	Score	161
Exons	10775..10984, 10864..10983, 11020..11193, 11021..11200		

Seq. No.	32852	Seq. ID	OJ991028_13.0204.C11
Gene No.	68150	Strand	
Start	10442	End	11241
Name	OJ991028_13.0204.C11.o7.tm	Method	TBLASTX:Maize
Start	10993	End	11229
GI	none	Score	229
Exons	10993..11229, 10997..11227		

Seq. No.	32853	Seq. ID	OJ991028_13.0204.C12
Gene No.	68151	Strand	+
Start	8152	End	9133
Name	OJ991028_13.0204.C12.o1.gp	Method	AAT/GAP
Start	8152	End	8740
GI	2310235	Score	303
Exons	8152..8189, 8601..8740		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	32853	Seq. ID	OJ991028_13.0204.C12
Gene No.	68151	Strand	+

Start	8152	End	9133
Name	OJ991028_13.0204.C12.o2.gs	Method	GENSCAN
Start	8601	End	9060
GI	none	Score	.85
Exons	8601..9060		

Seq. No.	32853	Seq. ID	OJ991028_13.0204.C12
Gene No.	68151	Strand	+
Start	8152	End	9133
Name	OJ991028_13.0204.C12.o2.np	Method	AAT/NAP
Start	8601	End	9133
GI	4680203	Score	473
Exons	8601..9133		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32853	Seq. ID	OJ991028_13.0204.C12
Gene No.	68152	Strand	-
Start	1	End	6157
Name	OJ991028_13.0204.C12.o1.np	Method	AAT/NAP
Start	1	End	961
GI	2967837	Score	482
Exons	1..961		
GI Descrip.	(AF052641) cyst nematode resistance gene candidate [Triticum aestivum]		

Seq. No.	32853	Seq. ID	OJ991028_13.0204.C12
Gene No.	68152	Strand	-
Start	1	End	6157
Name	OJ991028_13.0204.C12.o1.gs	Method	GENSCAN
Start	15	End	6157
GI	none	Score	.56
Exons	15..1000, 1662..2299, 3823..3984, 4071..4253, 4449..4534, 4872..5238, 6043..6157		

Seq. No.	32853	Seq. ID	OJ991028_13.0204.C12
Gene No.	68152	Strand	-
Start	1	End	6157
Name	OJ991028_13.0204.C12.o1.tm	Method	TBLASTX:Maize
Start	191	End	475
GI	none	Score	106
Exons	191..349, 192..353, 197..355, 337..399, 344..436, 344..436, 389..475, 397..471		

Seq. No.	32854	Seq. ID	OJ991028_13.0204.C13
Gene No.	68153	Strand	-
Start	99	End	151
Name	OJ991028_13.0204.C13.o1.gs	Method	GENSCAN
Start	99	End	151
GI	none	Score	.94
Exons	99..151		

Seq. No.	32855	Seq. ID	OJ991028_13.0204.C14
Gene No.	68154	Strand	+
Start	91	End	835
Name	OJ991028_13.0204.C14.o1.gp	Method	AAT/GAP
Start	91	End	835
GI	342_1.R1084	Score	962

Exons	91..188, 299..835		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68155	Strand	+
Start	12513	End	12980
Name	OJ991028_13.0204.C15.o4.gs	Method	GENSCAN
Start	12513	End	12980
GI	none	Score	.86
Exons	12513..12567, 12586..12661, 12773..12980		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68156	Strand	+
Start	13505	End	16743
Name	OJ991028_13.0204.C15.o2.np	Method	AAT/NAP
Start	13505	End	16740
GI	6907089	Score	4127
Exons	13505..14766, 14862..16740		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68156	Strand	+
Start	13505	End	16743
Name	OJ991028_13.0204.C15.o5.gs	Method	GENSCAN
Start	13505	End	16743
GI	none	Score	.93
Exons	13505..14570, 14598..14766, 14862..16743		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68157	Strand	+
Start	23622	End	24112
Name	OJ991028_13.0204.C15.o4.np	Method	AAT/NAP
Start	23622	End	24112
GI	5922623	Score	109
Exons	23622..23702, 24080..24112		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68158	Strand	-
Start	1	End	3882
Name	OJ991028_13.0204.C15.o1.np	Method	AAT/NAP
Start	1	End	3882
GI	4680199	Score	746
Exons	1..31, 249..395, 567..1391, 1739..2032, 2096..2329, 2381..2676, 3826..3882		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68159	Strand	-
Start	9330	End	9470
Name	OJ991028_13.0204.C15.o2.gp	Method	AAT/GAP
Start	9330	End	9470
GI	21474_1.R1084	Score	235
Exons	9330..9470		

GI Descrip. '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68160	Strand	-
Start	11061	End	11756
Name	OJ991028_13.0204.C15.o3.gs	Method	GENSCAN
Start	11061	End	11756
GI	none	Score	.79
Exons	11061..11756		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o3.tm	Method	TBLASTX:Maize
Start	474	End	926
GI	none	Score	72
Exons	474..671, 479..682, 713..925,	723..800, 867..926	

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o2.ts	Method	TBLASTX:Soybean
Start	542	End	934
GI	none	Score	95
Exons	542..607, 593..934, 609..785,	867..926	

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o9.tw	Method	TBLASTX:Wheat
Start	680	End	1045
GI	none	Score	72
Exons	680..1045, 681..926		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o7.tm	Method	TBLASTX:Maize
Start	929	End	1168
GI	none	Score	84
Exons	929..1006, 986..1168, 1023..1157		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o7.tw	Method	TBLASTX:Wheat
Start	5912	End	6315
GI	none	Score	215
Exons	5912..6028, 5914..6150, 5914..6063, 6015..6182, 6145..6315		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o11.tw	Method	TBLASTX:Wheat
Start	7805	End	8327
GI	none	Score	61

Exons	7805..7885, 7974..8156, 8024..8149, 8256..8327		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o5.tm	Method	TBLASTX:Maize
Start	17362	End	17532
GI	none	Score	125
Exons	17362..17532, 17363..17527		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o6.gs	Method	GENSCAN
Start	17389	End	23721
GI	none	Score	.57
Exons	17389..20484, 20651..21118, 21182..23563, 23619..23721		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o3.np	Method	AAT/NAP
Start	17392	End	23039
GI	6498441	Score	6783
Exons	17392..17673, 17767..19164, 19336..19807, 20000..20251, 20426..20561, 20745..21118, 21182..21645, 21976..23039		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o8.tw	Method	TBLASTX:Wheat
Start	17401	End	17979
GI	none	Score	83
Exons	17401..17526, 17405..17527, 17665..17955, 17719..17979, 17720..17977		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o4.tw	Method	TBLASTX:Wheat
Start	17984	End	18385
GI	none	Score	165
Exons	17984..18283, 18004..18384, 18329..18385		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o2.tm	Method	TBLASTX:Maize
Start	18199	End	18522
GI	none	Score	177
Exons	18199..18522, 18212..18493		
Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-

Start	17389	End	23721
Name	OJ991028_13.0204.C15.o10.tw	Method	TBLASTX:Wheat
Start	18715	End	19027
GI	none	Score	66
Exons	18715..18975, 18851..19027		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o3.ts	Method	TBLASTX:Soybean
Start	18775	End	19341
GI	5666795	Score	68
Exons	18775..18975, 19030..19167, 19243..19341		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o5.tw	Method	TBLASTX:Wheat
Start	19030	End	22491
GI	none	Score	87
Exons	19030..19179, 19031..19168, 19226..19399, 19240..19488, 19240..19464, 22438..22491		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o4.tm	Method	TBLASTX:Maize
Start	20035	End	20395
GI	none	Score	57
Exons	20035..20118, 20036..20116, 20137..20391, 20138..20395		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o1.ts	Method	TBLASTX:Soybean
Start	20089	End	20460
GI	none	Score	90
Exons	20089..20460, 20300..20443		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o2.tw	Method	TBLASTX:Wheat
Start	20114	End	20539
GI	none	Score	300
Exons	20114..20482, 20119..20514, 20468..20539		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o1.tm	Method	TBLASTX:Maize
Start	20633	End	20980
GI	none	Score	203
Exons	20633..20980, 20634..20945		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15

Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o1.tw	Method	TBLASTX:Wheat
Start	20648	End	21111
GI	none	Score	385
Exons	20648..21109, 20649..21110, 20668..21111		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o4.ts	Method	TBLASTX:Soybean
Start	20705	End	21070
GI	none	Score	117
Exons	20705..20839, 20846..21070		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o3.tw	Method	TBLASTX:Wheat
Start	21278	End	21761
GI	none	Score	80
Exons	21278..21760, 21302..21496, 21306..21566, 21588..21761		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o6.tw	Method	TBLASTX:Wheat
Start	22499	End	22891
GI	none	Score	87
Exons	22499..22756, 22533..22772, 22739..22837, 22740..22832, 22844..22891		

Seq. No.	32856	Seq. ID	OJ991028_13.0204.C15
Gene No.	68161	Strand	-
Start	17389	End	23721
Name	OJ991028_13.0204.C15.o6.tm	Method	TBLASTX:Maize
Start	22601	End	22886
GI	none	Score	104
Exons	22601..22849, 22602..22886		

Seq. No.	32857	Seq. ID	OJ991028_13.0204.C16
Gene No.	68162	Strand	+
Start	66	End	203
Name	OJ991028_13.0204.C16.o1.gs	Method	GENSCAN
Start	66	End	203
GI	none	Score	.97
Exons	66..203		

Seq. No.	32857	Seq. ID	OJ991028_13.0204.C16
Gene No.	68163	Strand	-
Start	407	End	556
Name	OJ991028_13.0204.C16.o2.gs	Method	GENSCAN
Start	407	End	556
GI	none	Score	.69
Exons	407..556		

Seq. No.	32858	Seq. ID	OJ991028_17.0211.C1

Gene No.	68164	Strand	-
Start	33	End	1275
Name	OJ991028_17.0211.C1.o1.gs	Method	GENSCAN
Start	33	End	1183
GI	none	Score	.86
Exons	33..481, 554..658, 731..844, 983..1183		

Seq. No.	32858	Seq. ID	OJ991028_17.0211.C1
Gene No.	68164	Strand	-
Start	33	End	1275
Name	OJ991028_17.0211.C1.o1.np	Method	AAT/NAP
Start	36	End	1275
GI	6691716	Score	831
Exons	36..481, 554..666, 817..920, 996..1275		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68165	Strand	+
Start	2643	End	3488
Name	OJ991028_17.0211.C2.o2.gs	Method	GENSCAN
Start	2643	End	3488
GI	none	Score	.6
Exons	2643..3488		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68166	Strand	+
Start	12731	End	14325
Name	OJ991028_17.0211.C2.o4.gs	Method	GENSCAN
Start	12731	End	14325
GI	none	Score	.74
Exons	12731..13534, 13869..14024, 14113..14325		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68167	Strand	+
Start	14861	End	15304
Name	OJ991028_17.0211.C2.o2.gp	Method	AAT/GAP
Start	14861	End	15304
GI	none	Score	855
Exons	14861..15304		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68168	Strand	+
Start	21430	End	22440
Name	OJ991028_17.0211.C2.o5.gp	Method	AAT/GAP
Start	21375	End	21738
GI	70620_1.R1084	Score	550
Exons	21375..21738		
GI Descrip.	'2501499/sp|Q41819|IAAG_MAIZE 1.0e-08 INDOLE-3-ACETATE BETA-GLUCOSYLTRANSFERASE (IAA-GLU SYNTHETASE) ((URIDINE 5''-DIPHOSPHATE-GLUCOSE:INDOL-3-YLACETYL)-BETA-D-GLUCOSYL TRANSFERASE) >gi_626043_pir__A54739 indole-3-acetate beta-glucosyltransferase (EC 2.4.1.121) - maize >gi_546195 (L34847) IAA-glu synthetase [Zea mays]'		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2

Gene No.	68168	Strand	+
Start	21430	End	22440
Name	OJ991028_17.0211.C2.o7.gs	Method	GENSCAN
Start	21430	End	22440
GI	none	Score	.68
Exons	21430..22101, 22390..22440		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68169	Strand	+
Start	22522	End	22604
Name	OJ991028_17.0211.C2.o6.gp	Method	AAT/GAP
Start	22522	End	22604
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	22522..22604		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68170	Strand	+
Start	23139	End	24106
Name	OJ991028_17.0211.C2.o8.gs	Method	GENSCAN
Start	23139	End	23982
GI	none	Score	.93
Exons	23139..23511, 23648..23982		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68170	Strand	+
Start	23139	End	24106
Name	OJ991028_17.0211.C2.o7.gp	Method	AAT/GAP
Start	23805	End	24106
GI	2312825	Score	518
Exons	23805..24106		
GI Descrip.	6041757/gb|AC011806.1|AC011806 1.0e-19 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68171	Strand	+
Start	25269	End	30560
Name	OJ991028_17.0211.C2.o9.gs	Method	GENSCAN
Start	25269	End	30306
GI	none	Score	.5
Exons	25269..26319, 27047..27324, 29198..29806, 29893..30306		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68171	Strand	+
Start	25269	End	30560
Name	OJ991028_17.0211.C2.o6.np	Method	AAT/NAP
Start	25299	End	27393
GI	2501499	Score	762
Exons	25299..26319, 27047..27393		
GI Descrip.	INDOLE-3-ACETATE BETA-GLUCOSYLTRANSFERASE (IAA-GLU SYNTHETASE) ((URIDINE 5'-DIPHOSPHATE-GLUCOSE:INDOL-3-YLACETYL)-BETA-D-GLUCOSYL TRANSFERASE) gi|626043|pir||A54739 indole-3-acetate beta-glucosyltransferase (EC 2.4.1.121) - maize gi|548195		

(L34847) IAA-glu synthetase [Zea mays]

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68171	Strand	+
Start	25269	End	30560
Name	OJ991028_17.0211.C2.o8.np	Method	AAT/NAP
Start	29150	End	30560
GI	4836925	Score	426
Exons	29150..29813, 29900..30268, 30513..30560		
GI Descrip.	(AC007153) Similar to indole-3-acetate beta-glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68171	Strand	+
Start	25269	End	30560
Name	OJ991028_17.0211.C2.o7.np	Method	AAT/NAP
Start	29156	End	30560
GI	2501499	Score	438
Exons	29156..29813, 29900..30298, 30543..30560		
GI Descrip.	INDOLE-3-ACETATE BETA-GLUCOSYLTRANSFERASE (IAA-GLU SYNTHETASE) ((URIDINE 5'-DIPHOSPHATE-GLUCOSE:INDOL-3-YLACETYL)-BETA-D-GLUCOSYL TRANSFERASE) gi|626043|pir||A54739 indole-3-acetate beta-glucosyltransferase (EC 2.4.1.121) - maize gi|548195 (L34847) IAA-glu synthetase [Zea mays]		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68172	Strand	-
Start	11	End	904
Name	OJ991028_17.0211.C2.o1.np	Method	AAT/NAP
Start	11	End	904
GI	5902448	Score	1594
Exons	11..904		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68173	Strand	-
Start	1980	End	2287
Name	OJ991028_17.0211.C2.o1.gp	Method	AAT/GAP
Start	1980	End	2287
GI	5816559	Score	494
Exons	1980..2287		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68174	Strand	-
Start	3888	End	10477
Name	OJ991028_17.0211.C2.o3.gs	Method	GENSCAN
Start	3888	End	10477
GI	none	Score	.5
Exons	3888..3928, 4569..5977, 6335..6755, 7008..7429, 7806..8268, 8416..9051, 9096..9133, 9251..9500, 9660..9956, 10017..10145, 10209..10256, 10405..10477		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2

Gene No.	68174	Strand	-
Start	3888	End	10477
Name	OJ991028_17.0211.C2.o2.np	Method	AAT/NAP
Start	4032	End	9698
GI	6069646	Score	864
Exons	4032..5012, 5301..6121, 9660..9698		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68175	Strand	-
Start	15080	End	17396
Name	OJ991028_17.0211.C2.o5.np	Method	AAT/NAP
Start	15072	End	17322
GI	2501499	Score	688
Exons	15072..15417, 16200..16581, 16684..17322		
GI Descrip.	INDOLE-3-ACETATE BETA-GLUCOSYLTRANSFERASE (IAA-GLU SYNTHETASE) ((URIDINE 5'-DIPHOSPHATE-GLUCOSE:INDOL-3-YLACETYL)-BETA-D-GLUCOSYL TRANSFERASE) gi|626043|pir||A54739 indole-3-acetate beta-glucosyltransferase (EC 2.4.1.121) - maize gi|548195 (L34847) IAA-glu synthetase [Zea mays]		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68175	Strand	-
Start	15080	End	17396
Name	OJ991028_17.0211.C2.o5.gs	Method	GENSCAN
Start	15080	End	17376
GI	none	Score	.75
Exons	15080..15417, 16200..16638, 16687..17376		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68175	Strand	-
Start	15080	End	17396
Name	OJ991028_17.0211.C2.o3.gp	Method	AAT/GAP
Start	15379	End	16593
GI	LIB3477-011-P1-K1-C9	Score	814
Exons	15379..15417, 16200..16593		
GI Descrip.	'4836925/gb|AAD30627.1|AC007153_19 3.0e-35 (AC007153) Similar to indole-3-acetate beta-glucosyltransferase [Arabidopsis thaliana]'		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68175	Strand	-
Start	15080	End	17396
Name	OJ991028_17.0211.C2.o4.gp	Method	AAT/GAP
Start	17034	End	17396
GI	none	Score	627
Exons	17034..17396		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o3.tw	Method	TBLASTX:Wheat

Start	494	End	784
GI	none	Score	217
Exons	494..784		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o7.tm	Method	TBLASTX:Maize
Start	2679	End	13249
GI	none	Score	203
Exons	2679..2876, 12761..12913, 12784..12906, 13202..13249		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o8.tm	Method	TBLASTX:Maize
Start	4141	End	4632
GI	none	Score	147
Exons	4141..4260, 4327..4632		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o6.tm	Method	TBLASTX:Maize
Start	4723	End	5017
GI	none	Score	77
Exons	4723..4824, 4837..5007, 4838..5017		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o2.tw	Method	TBLASTX:Wheat
Start	4993	End	5439
GI	none	Score	212
Exons	4993..5070, 5137..5439		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o2.tm	Method	TBLASTX:Maize
Start	5080	End	5766
GI	none	Score	133
Exons	5080..5766, 5090..5521, 5612..5737		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o3.tm	Method	TBLASTX:Maize
Start	5767	End	6264
GI	none	Score	64
Exons	5767..5868, 5827..6120, 5855..5977, 6053..6115, 6106..6264, 6155..6214		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o5.tm	Method	TBLASTX:Maize

Start	6310	End	6709
GI	none	Score	73
Exons	6310..6708, 6437..6709		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o9.tm	Method	TBLASTX:Maize
Start	6907	End	7167
GI	none	Score	142
Exons	6907..7026, 7030..7167		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o1.tc	Method	TBLASTX:Cress
Start	15068	End	27369
GI	none	Score	61
Exons	15068..15184, 15095..15208, 15209..15424, 15216..15425, 23644..23856, 23646..23855, 23860..23970, 23886..23966, 27045..27077, 27046..27255, 27135..27254, 27259..27369, 27270..27365		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o1.tw	Method	TBLASTX:Wheat
Start	15086	End	27388
GI	none	Score	52
Exons	15086..15316, 15087..15134, 15219..15314, 23749..23979, 23750..23839, 23751..23975, 27148..27378, 27150..27377, 27220..27384, 27245..27388		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o1.ts	Method	TBLASTX:Soybean
Start	15104	End	30279
GI	none	Score	97
Exons	15104..15418, 15104..15439, 15216..15422, 16198..16275, 16288..16461, 16513..16551, 16684..16812, 16867..17070, 17116..17157, 17236..17286, 21468..21569, 21490..21600, 21615..21647, 21616..21648, 21682..21909, 21976..22104, 23157..23198, 23199..23246, 23250..23441, 23436..23513, 23646..23966, 23647..23988, 25307..25363, 25308..25442, 25545..25748, 25809..26006, 26067..26231, 26244..26321, 27045..27365, 27046..27363, 29170..29271, 29192..29302, 29317..29343, 29318..29344, 29345..29614, 29681..29812, 30016..30189, 30202..30279		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o1.tm	Method	TBLASTX:Maize
Start	15179	End	30279
GI	none	Score	44
Exons	15179..15271, 15216..15260, 15269..15439, 15279..15422,		

16197..16355, 16198..16362, 16200..16355, 16363..16458,
16382..16477, 16445..16561, 16459..16584, 16685..16855,
16689..16742, 16690..16854, 21940..22098, 23126..23254,
23127..23252, 23137..23253, 23255..23347, 23255..23347,
23256..23348, 23345..23512, 23349..23513, 23368..23514,
23646..23786, 23647..23793, 23647..23790, 23800..23886,
23805..23858, 23818..23886, 25773..26054, 25802..26050,
26057..26128, 26061..26156, 26157..26321, 26180..26320,
27045..27182, 27046..27186, 27201..27290, 27245..27289,
29644..29808, 29645..29803, 29654..29827, 29871..30020,
29893..30018, 29906..30052, 30010..30114, 30021..30083,
30022..30099, 30107..30277, 30108..30278, 30115..30279,
30120..30278, 30151..30279

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o2.tc	Method	TBLASTX:Cress
Start	16903	End	29578
GI	none	Score	50
Exons	16903..17211, 21562..21642, 21643..21873, 25308..25439, 25310..25363, 25424..25699, 25425..25712, 29264..29344, 29348..29578		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o4.tm	Method	TBLASTX:Maize
Start	16978	End	29503
GI	none	Score	116
Exons	16978..17112, 16981..17313, 16991..17149, 17186..17245, 17249..17311, 21433..21591, 21462..21590, 21606..21644, 21643..21795, 21658..21747, 21765..21794, 25292..25432, 25293..25433, 25401..25634, 25448..25633, 29155..29292, 29156..29293, 29308..29346, 29347..29502, 29348..29503		

Seq. No.	32859	Seq. ID	OJ991028_17.0211.C2
Gene No.	68176	Strand	-
Start	19130	End	30279
Name	OJ991028_17.0211.C2.o6.gs	Method	GENSCAN
Start	19130	End	20039
GI	none	Score	.96
Exons	19130..19231, 20031..20039		

Seq. No.	32860	Seq. ID	OJ991028_17.0211.C3
Gene No.	68177	Strand	-
Start	234	End	2742
Name	OJ991028_17.0211.C3.o1.np	Method	AAT/NAP
Start	234	End	2742
GI	2583130	Score	974
Exons	234..2742		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	32860	Seq. ID	OJ991028_17.0211.C3
Gene No.	68177	Strand	-
Start	234	End	2742

Name	OJ991028_17.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	1641	End	2012
GI	none	Score	81
Exons	1641..2012, 1645..1797		

Seq. No.	32860	Seq. ID	OJ991028_17.0211.C3
Gene No.	68177	Strand	-
Start	234	End	2742
Name	OJ991028_17.0211.C3.o2.tw	Method	TBLASTX:Wheat
Start	1707	End	2082
GI	none	Score	145
Exons	1707..2081, 1720..2082		

Seq. No.	32860	Seq. ID	OJ991028_17.0211.C3
Gene No.	68177	Strand	-
Start	234	End	2742
Name	OJ991028_17.0211.C3.o2.tm	Method	TBLASTX:Maize
Start	2169	End	2618
GI	none	Score	253
Exons	2169..2618		

Seq. No.	32860	Seq. ID	OJ991028_17.0211.C3
Gene No.	68177	Strand	-
Start	234	End	2742
Name	OJ991028_17.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	2314	End	2691
GI	none	Score	170
Exons	2314..2622, 2331..2651, 2643..2690, 2647..2691		

Seq. No.	32860	Seq. ID	OJ991028_17.0211.C3
Gene No.	68177	Strand	-
Start	234	End	2742
Name	OJ991028_17.0211.C3.o1.ts	Method	TBLASTX:Soybean
Start	2361	End	2627
GI	none	Score	189
Exons	2361..2627		

Seq. No.	32861	Seq. ID	OJ991028_17.0211.C4
Gene No.	68178	Strand	-
Start	2853	End	3982
Name	OJ991028_17.0211.C4.o2.gs	Method	GENSCAN
Start	2853	End	3979
GI	none	Score	.84
Exons	2853..3317, 3329..3438, 3547..3979		

Seq. No.	32861	Seq. ID	OJ991028_17.0211.C4
Gene No.	68178	Strand	-
Start	2853	End	3982
Name	OJ991028_17.0211.C4.o1.np	Method	AAT/NAP
Start	2856	End	3982
GI	535454	Score	954
Exons	2856..3438, 3547..3982		
GI Descrip.	(U13940) cysteine proteinase [Alnus glutinosa]		

Seq. No.	32861	Seq. ID	OJ991028_17.0211.C4
Gene No.	68179	Strand	-
Start	5248	End	5809

Name	OJ991028_17.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	2799	End	3928
GI	none	Score	119
Exons	2799..3104, 2854..3234, 2859..3212, 3207..3338, 3211..3267, 3341..3439, 3378..3446, 3545..3643, 3546..3644, 3686..3748, 3687..3752, 3761..3928, 3774..3863		

Seq. No.	32861	Seq. ID	OJ991028_17.0211.C4
Gene No.	68179	Strand	-
Start	5248	End	5809
Name	OJ991028_17.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	2852	End	4039
GI	none	Score	76
Exons	2852..2983, 2862..2993, 2863..2991, 2998..3213, 3003..3194, 3213..3323, 3249..3326, 3341..3433, 3341..3439, 3491..3640, 3543..3647, 3545..3646, 3698..3766, 3704..3748, 3705..3833, 3761..4039		

Seq. No.	32861	Seq. ID	OJ991028_17.0211.C4
Gene No.	68179	Strand	-
Start	5248	End	5809
Name	OJ991028_17.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	2853	End	3937
GI	none	Score	161
Exons	2853..3050, 2857..3045, 2913..3047, 3060..3218, 3064..3195, 3210..3335, 3341..3439, 3545..3610, 3554..3763, 3621..3662, 3699..3764, 3761..3937, 3762..3863		

Seq. No.	32861	Seq. ID	OJ991028_17.0211.C4
Gene No.	68179	Strand	-
Start	5248	End	5809
Name	OJ991028_17.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	2922	End	3823
GI	none	Score	51
Exons	2922..2987, 2922..2999, 3003..3080, 3004..3078, 3180..3323, 3229..3285, 3341..3433, 3378..3434, 3554..3625, 3555..3620, 3690..3743, 3701..3760, 3764..3823		

Seq. No.	32861	Seq. ID	OJ991028_17.0211.C4
Gene No.	68179	Strand	-
Start	5248	End	5809
Name	OJ991028_17.0211.C4.o3.gs	Method	GENSCAN
Start	5248	End	5809
GI	none	Score	.82
Exons	5248..5809		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68180	Strand	+
Start	5090	End	5397
Name	OJ991028_17.0211.C5.o1.gp	Method	AAT/GAP
Start	5090	End	5397
GI	5816559	Score	498
Exons	5090..5397		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68181	Strand	+
Start	5536	End	7888
Name	OJ991028_17.0211.C5.o2.np	Method	AAT/NAP
Start	5536	End	7888
GI	6665553	Score	89
Exons	5536..5732, 7802..7888		
GI Descrip.	(AC013289) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68182	Strand	-
Start	1	End	4962
Name	OJ991028_17.0211.C5.o1.np	Method	AAT/NAP
Start	1	End	4962
GI	5922631	Score	4915
Exons	1..1427, 2034..2957, 3084..3235, 3278..3849, 3895..4097, 4332..4579, 4838..4962		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68182	Strand	-
Start	1	End	4962
Name	OJ991028_17.0211.C5.o1.gs	Method	GENSCAN
Start	208	End	4962
GI	none	Score	.92
Exons	208..803, 846..1945, 2042..4962		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o4.tm	Method	TBLASTX:Maize
Start	226	End	480
GI	none	Score	193
Exons	226..480		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o3.tw	Method	TBLASTX:Wheat
Start	310	End	732
GI	none	Score	269
Exons	310..732, 320..724		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o2.ts	Method	TBLASTX:Soybean
Start	353	End	741
GI	none	Score	159
Exons	353..733, 355..741		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o6.tw	Method	TBLASTX:Wheat
Start	736	End	1018
GI	none	Score	69
Exons	736..1017, 748..882, 941..1018		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o2.tm	Method	TBLASTX:Maize
Start	856	End	1300
GI	none	Score	84
Exons	856..882, 880..1023, 893..1024, 1039..1275, 1045..1299, 1046..1300		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	967	End	1368
GI	none	Score	43
Exons	967..1368, 1001..1171, 1208..1351		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o2.tw	Method	TBLASTX:Wheat
Start	1022	End	1446
GI	none	Score	285
Exons	1022..1402, 1027..1446		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	1531	End	1887
GI	none	Score	214
Exons	1531..1887, 1541..1846		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o1.tw	Method	TBLASTX:Wheat
Start	1561	End	2017
GI	none	Score	268
Exons	1561..2016, 1562..2017		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o3.ts	Method	TBLASTX:Soybean
Start	1612	End	1977
GI	none	Score	138
Exons	1612..1746, 1753..1977		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o4.tw	Method	TBLASTX:Wheat
Start	2237	End	2694
GI	none	Score	154
Exons	2237..2473, 2239..2469, 2518..2631, 2518..2694		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o5.tm	Method	TBLASTX:Maize
Start	2239	End	2386
GI	none	Score	114
Exons	2239..2385, 2240..2386		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o5.tw	Method	TBLASTX:Wheat
Start	3271	End	3673
GI	none	Score	125
Exons	3271..3672, 3404..3673		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o3.tm	Method	TBLASTX:Maize
Start	5587	End	6075
GI	none	Score	198
Exons	5587..5736, 5623..5706, 6028..6075		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o3.np	Method	AAT/NAP
Start	9624	End	11530
GI	6815062	Score	1263
Exons	9624..9826, 10078..11530		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o3.gs	Method	GENSCAN
Start	10221	End	13850
GI	none	Score	.52
Exons	10221..10466, 10658..10841, 11463..11523, 11887..12080, 12579..12595, 13070..13239, 13793..13850		

Seq. No.	32862	Seq. ID	OJ991028_17.0211.C5
Gene No.	68183	Strand	-
Start	9624	End	13850
Name	OJ991028_17.0211.C5.o4.np	Method	AAT/NAP
Start	13186	End	13766

GI	5042454	Score	185
Exons	13186..13239, 13590..13766		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32863	Seq. ID	OJ991028_17.0211.C7
Gene No.	68184	Strand	+
Start	520	End	1136
Name	OJ991028_17.0211.C7.o1.gs	Method	GENSCAN
Start	520	End	1136
GI	none	Score	.63
Exons	520..613, 910..1136		

Seq. No.	32863	Seq. ID	OJ991028_17.0211.C7
Gene No.	68185	Strand	+
Start	2807	End	3367
Name	OJ991028_17.0211.C7.o2.gs	Method	GENSCAN
Start	2807	End	3367
GI	none	Score	.63
Exons	2807..3367		

Seq. No.	32863	Seq. ID	OJ991028_17.0211.C7
Gene No.	68186	Strand	-
Start	3066	End	3264
Name	OJ991028_17.0211.C7.o1.np	Method	AAT/NAP
Start	3066	End	3264
GI	6665553	Score	79
Exons	3066..3264		
GI Descrip.	(AC013289) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32863	Seq. ID	OJ991028_17.0211.C7
Gene No.	68187	Strand	-
Start	5368	End	5655
Name	OJ991028_17.0211.C7.o3.gs	Method	GENSCAN
Start	5368	End	5655
GI	none	Score	.9
Exons	5368..5655		

Seq. No.	32864	Seq. ID	OJ991028_17.0211.C8
Gene No.	68188	Strand	+
Start	823	End	1391
Name	OJ991028_17.0211.C8.o1.gp	Method	AAT/GAP
Start	823	End	1391
GI	4879016	Score	868
Exons	823..1391		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	32864	Seq. ID	OJ991028_17.0211.C8
Gene No.	68189	Strand	-
Start	1654	End	1888
Name	OJ991028_17.0211.C8.o1.gs	Method	GENSCAN
Start	1654	End	1888
GI	none	Score	.65
Exons	1654..1806, 1817..1888		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9

Gene No.	68190	Strand	+
Start	7916	End	18540
Name	OJ991028_17.0211.C9.o1.np	Method	AAT/NAP
Start	7916	End	17687
GI	6721561	Score	989
Exons	7916..7988, 16548..16724, 16797..16855, 16925..17687		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68190	Strand	+
Start	7916	End	18540
Name	OJ991028_17.0211.C9.o5.gs	Method	GENSCAN
Start	14058	End	18540
GI	none	Score	.83
Exons	14058..14133, 14356..14390, 15056..15129, 15163..15239, 15548..15652, 15749..15953, 15987..16273, 16354..16478, 16590..16724, 16797..16855, 16925..17662, 17806..17951, 18024..18205, 18244..18540		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68191	Strand	+
Start	25352	End	26088
Name	OJ991028_17.0211.C9.o1.gp	Method	AAT/GAP
Start	25352	End	26088
GI	101153_1.R1084	Score	398
Exons	25352..25389, 25838..26088		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68192	Strand	-
Start	2648	End	3801
Name	OJ991028_17.0211.C9.o2.gs	Method	GENSCAN
Start	2648	End	3801
GI	none	Score	.46
Exons	2648..2857, 3655..3801		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68193	Strand	-
Start	4861	End	5855
Name	OJ991028_17.0211.C9.o3.gs	Method	GENSCAN
Start	4861	End	5855
GI	none	Score	.61
Exons	4861..5161, 5201..5312, 5356..5555, 5713..5855		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68194	Strand	-
Start	6603	End	9994
Name	OJ991028_17.0211.C9.o4.gs	Method	GENSCAN
Start	6603	End	9994
GI	none	Score	.69
Exons	6603..6834, 7021..7178, 7897..7964, 8213..8279, 8497..8617, 8920..9466, 9562..9994		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	8872	End	9922
GI	none	Score	222
Exons	8872..9168, 8874..9221, 9237..9365, 9238..9294, 9357..9467, 9388..9474, 9560..9658, 9561..9659, 9701..9763, 9702..9758, 9776..9922, 9800..9898		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	8872	End	9893
GI	none	Score	95
Exons	8872..9060, 8880..9068, 8880..9104, 8884..9072, 9087..9230, 9091..9165, 9240..9362, 9366..9467, 9569..9778, 9570..9749, 9761..9886, 9764..9889, 9777..9893, 9777..9890		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	8881	End	9886
GI	none	Score	66
Exons	8881..9018, 8886..9020, 9024..9215, 9025..9165, 9030..9212, 9210..9467, 9237..9467, 9558..9635, 9560..9634, 9668..9772, 9710..9778, 9779..9886		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o4.tw	Method	TBLASTX:Wheat
Start	8949	End	9775
GI	none	Score	67
Exons	8949..9017, 8962..9018, 9024..9107, 9207..9350, 9237..9365, 9363..9467, 9363..9461, 9569..9640, 9570..9635, 9705..9758, 9710..9775		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o6.gs	Method	GENSCAN
Start	19156	End	25332
GI	none	Score	.66
Exons	19156..20267, 20299..21199, 21242..21988, 22238..22288, 22364..22662, 22816..22941, 23070..23124, 23186..23760, 24842..25092, 25112..25332		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o2.np	Method	AAT/NAP
Start	19159	End	22279
GI	5902445	Score	3137

Exons	19159..20401, 20441..22279		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o3.tw	Method	TBLASTX:Wheat
Start	19168	End	19776
GI	none	Score	75
Exons	19168..19299, 19169..19294, 19324..19776, 19520..19627, 19673..19762		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o5.tm	Method	TBLASTX:Maize
Start	19204	End	19452
GI	none	Score	152
Exons	19204..19287, 19288..19452		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o5.tw	Method	TBLASTX:Wheat
Start	19798	End	20152
GI	none	Score	173
Exons	19798..20151, 19808..20050, 19906..20148, 20096..20152		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o3.tm	Method	TBLASTX:Maize
Start	19978	End	20271
GI	none	Score	183
Exons	19978..20271, 19979..20266		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o7.tw	Method	TBLASTX:Wheat
Start	21029	End	21274
GI	none	Score	100
Exons	21029..21274, 21047..21274		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o2.ts	Method	TBLASTX:Soybean
Start	21284	End	21683
GI	none	Score	104
Exons	21284..21682, 21525..21683		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o2.tw	Method	TBLASTX:Wheat
Start	21339	End	22557

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